FORM 3

AMENDED REPORT ☐

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Greater Monument Butte E-2-9-16

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
MONUMENT BUTTE

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
GMBU (GRRV)

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU-16535

11. MINERAL OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	645 FSL 675 FEL	SESE	34	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	215 FSL 212 FEL	SESE	34	8.0 S	16.0 E	S
At Total Depth	10 FNL 10 FWL	NWNW	2	9.0 S	16.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
10

23. NUMBER OF ACRES IN DRILLING UNIT
20

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1320

26. PROPOSED DEPTH
MD: 6446 TVD: 6446

27. ELEVATION - GROUND LEVEL
5612

28. BOND NUMBER
WYB000493

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
43-7478

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME	TITLE	PHONE
Mandie Crozier	Regulatory Tech	435 646-4825
SIGNATURE	**DATE** 03/12/2010	**EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013502850000

APPROVAL

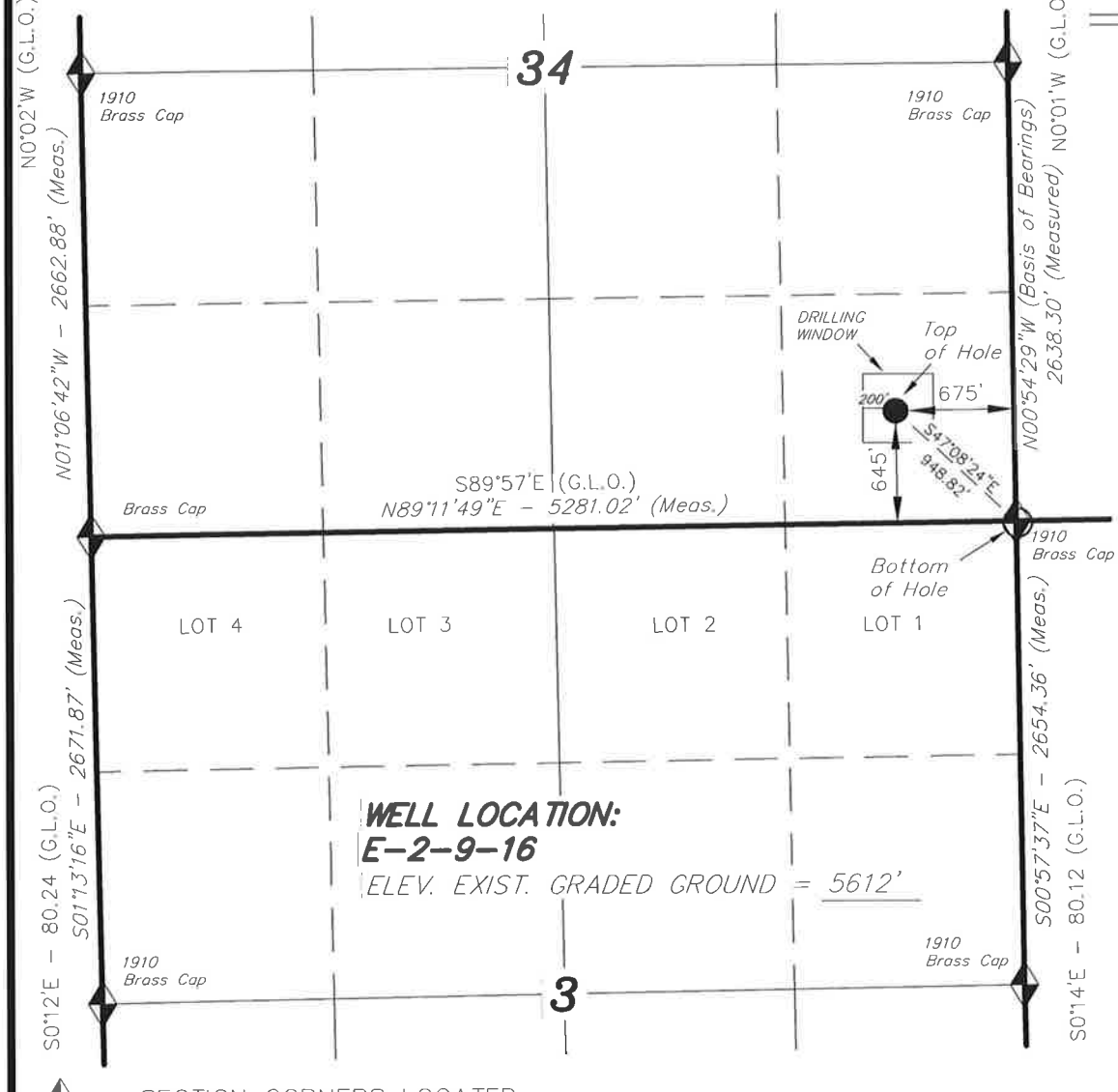
Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	5.5	0	6446		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	6446	15.5			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	8.625	0	300		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 ST&C	300	24.0			

'APIWellNo:43013502850000'

T8S, R16E, S.L.B.&M.



= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

E-2-9-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 08.15"
LONGITUDE = 110° 05' 54.63"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, E-2-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 34, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

Note:
1. The bottom of hole footages are 10' FNL & 10' FWL of Section 2, T9S, R16E.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No. 189377 STACY W. STEWART STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 10-07-09	SURVEYED BY: T.P.
DATE DRAWN: 10-16-09	DRAWN BY: M.W.
REVISED: 01-20-10 - M.W.	SCALE: 1" = 1000'

'APIWellNo:43013502850000'

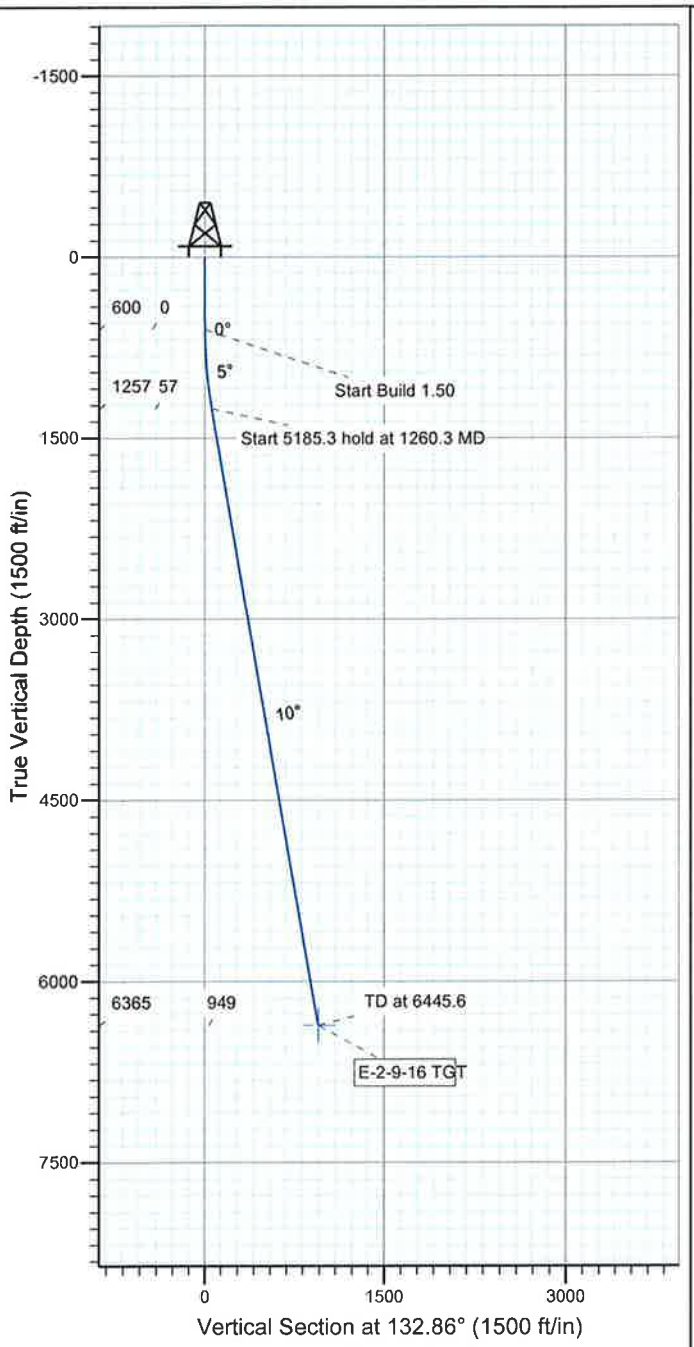
NEWFIELD

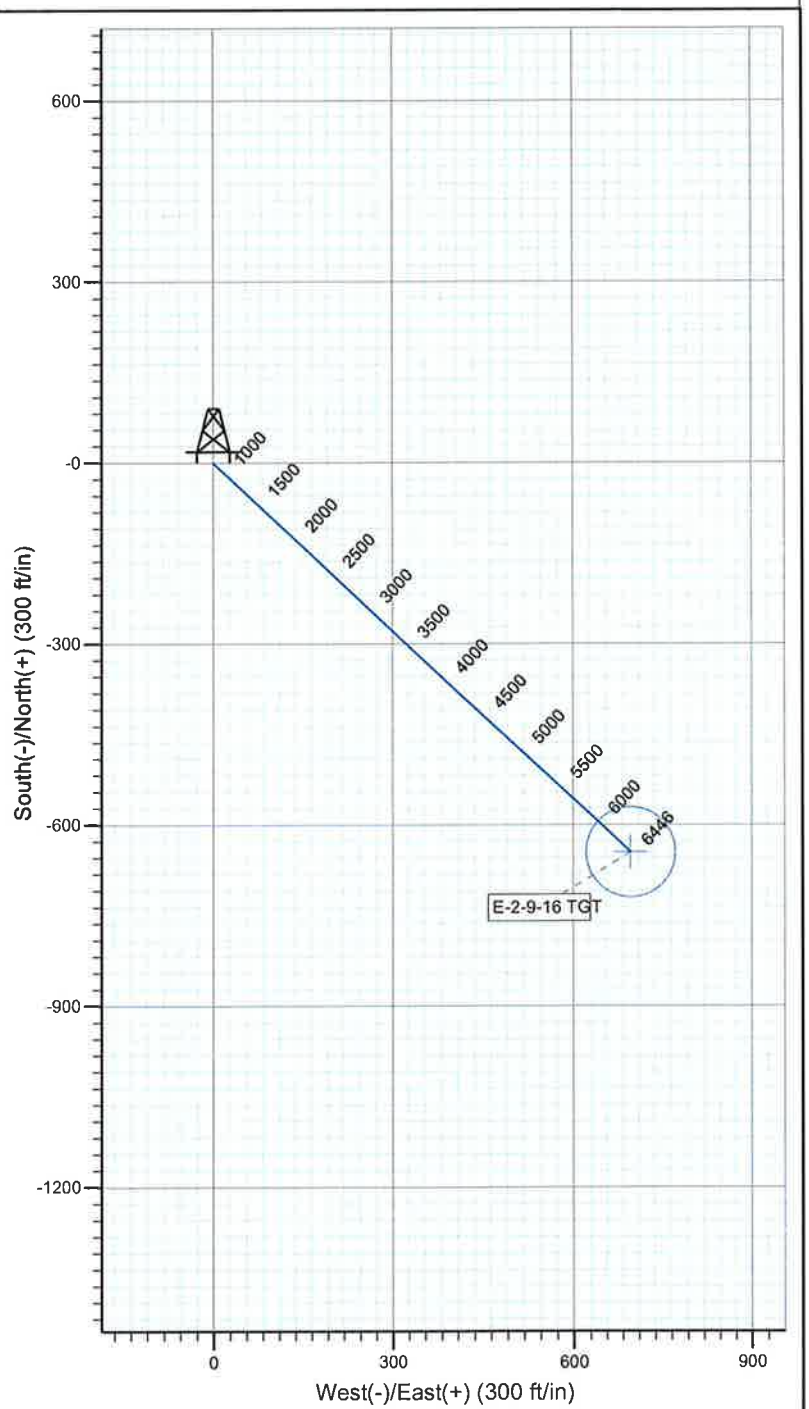
Project: USGS Myton SW (UT)
Site: SECTION 34 T8S, R16E
Well: E-2-9-16
Wellbore: Wellbore #1
Design: Design #1

Azimuths to True North
Magnetic North: 11.51°

Magnetic Field
Strength: 52458.3snT
Dip Angle: 65.85°
Date: 12/10/2009
Model: IGRF200510

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
E-2-9-16 TGT	6365.0	-645.4	695.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1260.3	9.90	132.86	1257.0	-38.7	41.7	1.50	132.86	56.9	
4	6445.6	9.90	132.86	6365.0	-645.4	695.5	0.00	0.00	948.8	E-2-9-16 TGT

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 34 T8S, R16E
E-2-9-16

Wellbore #1

Plan: Design #1

Standard Planning Report

10 December, 2009

'APIWellNo:43013502850000'

NEWFIELD

HATHAWAYBURNHAM
Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well E-2-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	WELL @ 5624.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	WELL @ 5624.0ft (Original Well Elev)
Site:	SECTION 34 T8S, R16E	**North Reference:**	True
Well:	E-2-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	SECTION 34 T8S, R16E, SEC 34 T8S, R16E				
Site Position:		**Northing:**	7,199,000.00 ft	**Latitude:**	40° 4' 29.106 N
From:	Lat/Long	**Easting:**	2,031,000.00 ft	**Longitude:**	110° 6' 14.985 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.89 °

Well	E-2-9-16, SHL LAT: 40 04 08.15, LONG -110 05 54.63					
Well Position	**+N/-S**	-2,120.7 ft	**Northing:**	7,196,904.59 ft	**Latitude:**	40° 4' 8.150 N
	+E/-W	1,582.3 ft	**Easting:**	2,032,615.22 ft	**Longitude:**	110° 5' 54.630 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,624.0 ft	**Ground Level:**	5,612.0 ft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	12/10/2009	11.51	65.86	52,458

Design	Design #1			
Audit Notes:				
Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	6,365.0	0.0	0.0	132.86

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,260.3	9.90	132.86	1,257.0	-38.7	41.7	1.50	1.50	0.00	132.86	
6,445.6	9.90	132.86	6,365.0	-645.4	695.5	0.00	0.00	0.00	0.00	E-2-9-16 TGT

'APIWellNo:43013502850000'

NEWFIELD

HATHAWAYBURNHAM
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Project:	USGS Myton SW (UT)	**MD Reference:**	WELL @ 5624.0ft (Original Well Elev)
Site:	SECTION 34 T8S, R16E	**North Reference:**	True
Well:	E-2-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	132.86	700.0	-0.9	1.0	1.3	1.50	1.50	0.00
800.0	3.00	132.86	799.9	-3.6	3.8	5.2	1.50	1.50	0.00
900.0	4.50	132.86	899.7	-8.0	8.6	11.8	1.50	1.50	0.00
1,000.0	6.00	132.86	999.3	-14.2	15.3	20.9	1.50	1.50	0.00
1,100.0	7.50	132.86	1,098.6	-22.2	24.0	32.7	1.50	1.50	0.00
1,200.0	9.00	132.86	1,197.5	-32.0	34.5	47.0	1.50	1.50	0.00
1,260.3	9.90	132.86	1,257.0	-38.7	41.7	56.9	1.50	1.50	0.00
1,300.0	9.90	132.86	1,296.1	-43.4	46.7	63.8	0.00	0.00	0.00
1,400.0	9.90	132.86	1,394.6	-55.1	59.3	81.0	0.00	0.00	0.00
1,500.0	9.90	132.86	1,493.1	-66.8	72.0	98.2	0.00	0.00	0.00
1,600.0	9.90	132.86	1,591.7	-78.5	84.6	115.4	0.00	0.00	0.00
1,700.0	9.90	132.86	1,690.2	-90.2	97.2	132.6	0.00	0.00	0.00
1,800.0	9.90	132.86	1,788.7	-101.9	109.8	149.8	0.00	0.00	0.00
1,900.0	9.90	132.86	1,887.2	-113.6	122.4	167.0	0.00	0.00	0.00
2,000.0	9.90	132.86	1,985.7	-125.3	135.0	184.2	0.00	0.00	0.00
2,100.0	9.90	132.86	2,084.2	-137.0	147.6	201.4	0.00	0.00	0.00
2,200.0	9.90	132.86	2,182.7	-148.7	160.2	218.6	0.00	0.00	0.00
2,300.0	9.90	132.86	2,281.2	-160.4	172.8	235.8	0.00	0.00	0.00
2,400.0	9.90	132.86	2,379.7	-172.1	185.4	253.0	0.00	0.00	0.00
2,500.0	9.90	132.86	2,478.2	-183.8	198.0	270.2	0.00	0.00	0.00
2,600.0	9.90	132.86	2,576.7	-195.5	210.6	287.4	0.00	0.00	0.00
2,700.0	9.90	132.86	2,675.3	-207.2	223.3	304.6	0.00	0.00	0.00
2,800.0	9.90	132.86	2,773.8	-218.9	235.9	321.8	0.00	0.00	0.00
2,900.0	9.90	132.86	2,872.3	-230.6	248.5	339.0	0.00	0.00	0.00
3,000.0	9.90	132.86	2,970.8	-242.3	261.1	356.2	0.00	0.00	0.00
3,100.0	9.90	132.86	3,069.3	-254.0	273.7	373.4	0.00	0.00	0.00
3,200.0	9.90	132.86	3,167.8	-265.7	286.3	390.6	0.00	0.00	0.00
3,300.0	9.90	132.86	3,266.3	-277.4	298.9	407.8	0.00	0.00	0.00
3,400.0	9.90	132.86	3,364.8	-289.1	311.5	425.0	0.00	0.00	0.00
3,500.0	9.90	132.86	3,463.3	-300.8	324.1	442.2	0.00	0.00	0.00
3,600.0	9.90	132.86	3,561.8	-312.5	336.7	459.4	0.00	0.00	0.00
3,700.0	9.90	132.86	3,660.4	-324.2	349.3	476.6	0.00	0.00	0.00
3,800.0	9.90	132.86	3,758.9	-335.9	361.9	493.8	0.00	0.00	0.00
3,900.0	9.90	132.86	3,857.4	-347.6	374.6	511.0	0.00	0.00	0.00
4,000.0	9.90	132.86	3,955.9	-359.3	387.2	528.2	0.00	0.00	0.00
4,100.0	9.90	132.86	4,054.4	-371.0	399.8	545.4	0.00	0.00	0.00
4,200.0	9.90	132.86	4,152.9	-382.7	412.4	562.6	0.00	0.00	0.00
4,300.0	9.90	132.86	4,251.4	-394.4	425.0	579.8	0.00	0.00	0.00
4,400.0	9.90	132.86	4,349.9	-406.1	437.6	597.0	0.00	0.00	0.00
4,500.0	9.90	132.86	4,448.4	-417.8	450.2	614.2	0.00	0.00	0.00
4,600.0	9.90	132.86	4,546.9	-429.5	462.8	631.4	0.00	0.00	0.00
4,700.0	9.90	132.86	4,645.5	-441.2	475.4	648.6	0.00	0.00	0.00
4,800.0	9.90	132.86	4,744.0	-452.9	488.0	665.8	0.00	0.00	0.00
4,900.0	9.90	132.86	4,842.5	-464.6	500.6	683.0	0.00	0.00	0.00
5,000.0	9.90	132.86	4,941.0	-476.3	513.2	700.2	0.00	0.00	0.00
5,100.0	9.90	132.86	5,039.5	-488.0	525.8	717.4	0.00	0.00	0.00
5,200.0	9.90	132.86	5,138.0	-499.7	538.5	734.6	0.00	0.00	0.00

'APIWellNo:43013502850000'

NEWFIELD

HATHAWAYBURNHAM
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Well:	E-2-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	9.90	132.86	5,236.5	-511.4	551.1	751.8	0.00	0.00	0.00
5,400.0	9.90	132.86	5,335.0	-523.1	563.7	769.0	0.00	0.00	0.00
5,500.0	9.90	132.86	5,433.5	-534.8	576.3	786.2	0.00	0.00	0.00
5,600.0	9.90	132.86	5,532.0	-546.5	588.9	803.4	0.00	0.00	0.00
5,700.0	9.90	132.86	5,630.5	-558.2	601.5	820.6	0.00	0.00	0.00
5,800.0	9.90	132.86	5,729.1	-569.9	614.1	837.8	0.00	0.00	0.00
5,900.0	9.90	132.86	5,827.6	-581.6	626.7	855.0	0.00	0.00	0.00
6,000.0	9.90	132.86	5,926.1	-593.3	639.3	872.2	0.00	0.00	0.00
6,100.0	9.90	132.86	6,024.6	-605.0	651.9	889.4	0.00	0.00	0.00
6,200.0	9.90	132.86	6,123.1	-616.7	664.5	906.6	0.00	0.00	0.00
6,300.0	9.90	132.86	6,221.6	-628.4	677.1	923.8	0.00	0.00	0.00
6,400.0	9.90	132.86	6,320.1	-640.1	689.8	941.0	0.00	0.00	0.00
6,445.6	9.90	132.86	6,365.0	-645.4	695.5	948.8	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
E-2-9-16 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	6,365.0	-645.4	695.5	7,196,270.23	2,033,320.68	40° 4' 1.772 N	110° 5' 45.684 W

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE E-2-9-16
AT SURFACE: SE/SE SECTION 34, T8S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1705'
Green River	1705'
Wasatch	6446'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1705' – 6446' – Oil

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. *PROPOSED CASING PROGRAM*

a. Casing Design: Greater Monument Butte E-2-9-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,446'	15.5	J-55	LTC	4,810 2.35	4,040 1.97	217,000 2.17

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Greater Monument Butte E-2-9-16

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,446'	Prem Lite II w/ 10% gel + 3% KCl	307 1001	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2010, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

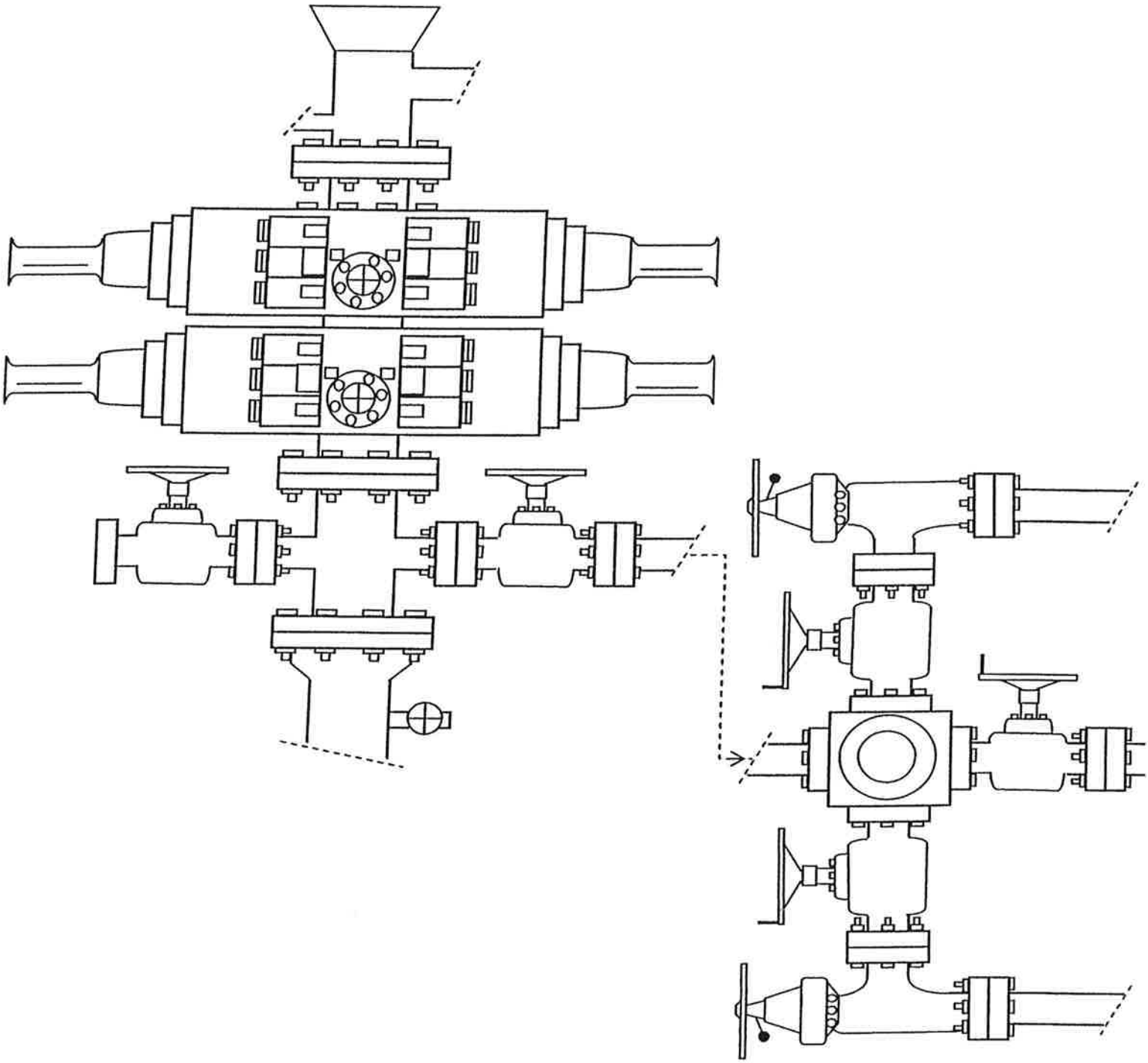
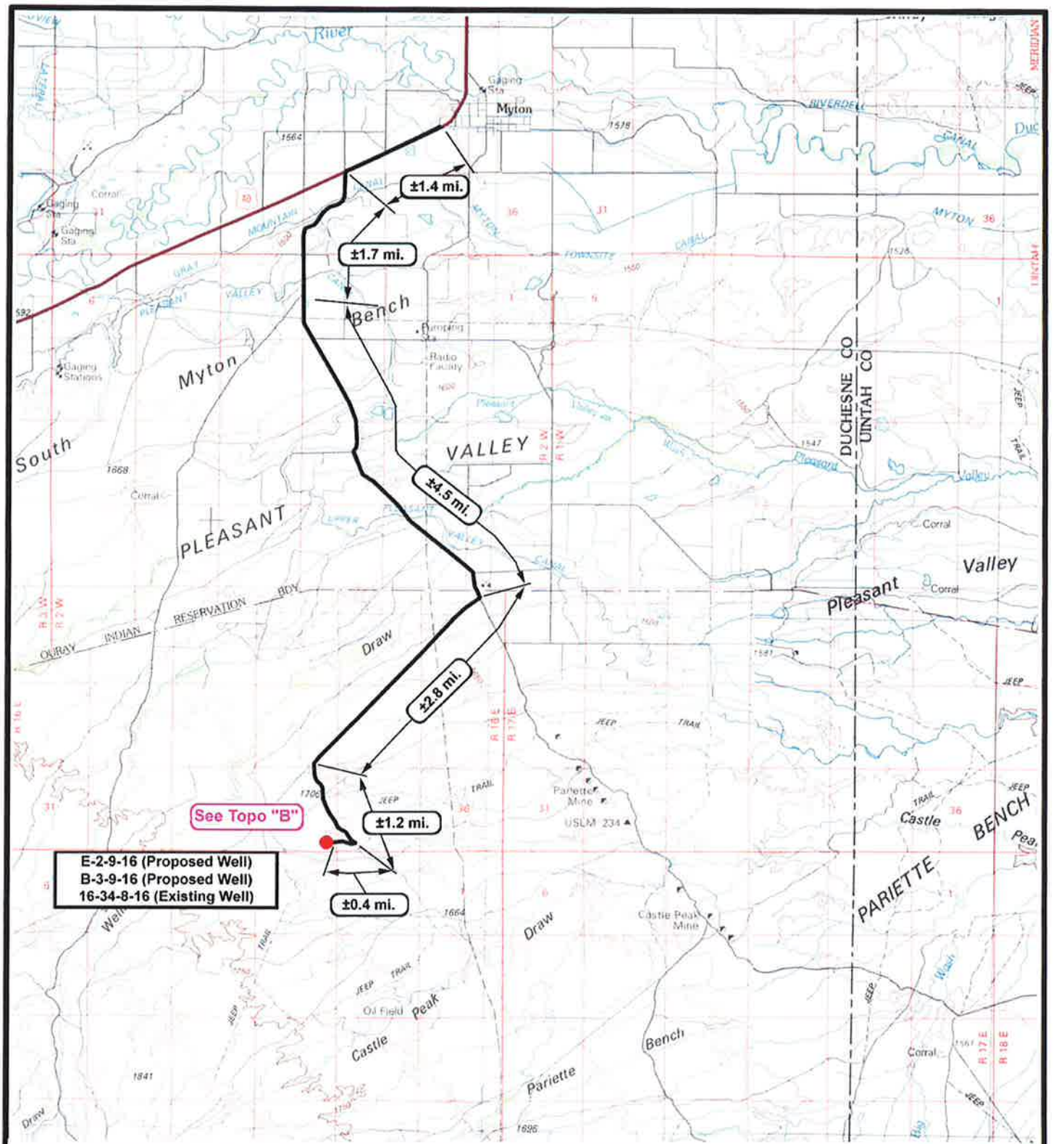


EXHIBIT C

'APIWellNo:43013502850000'



NEWFIELD
Exploration Company

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)
Pad Location: SESE SEC. 34, T8S, R16E, S.L.B.&M.

N

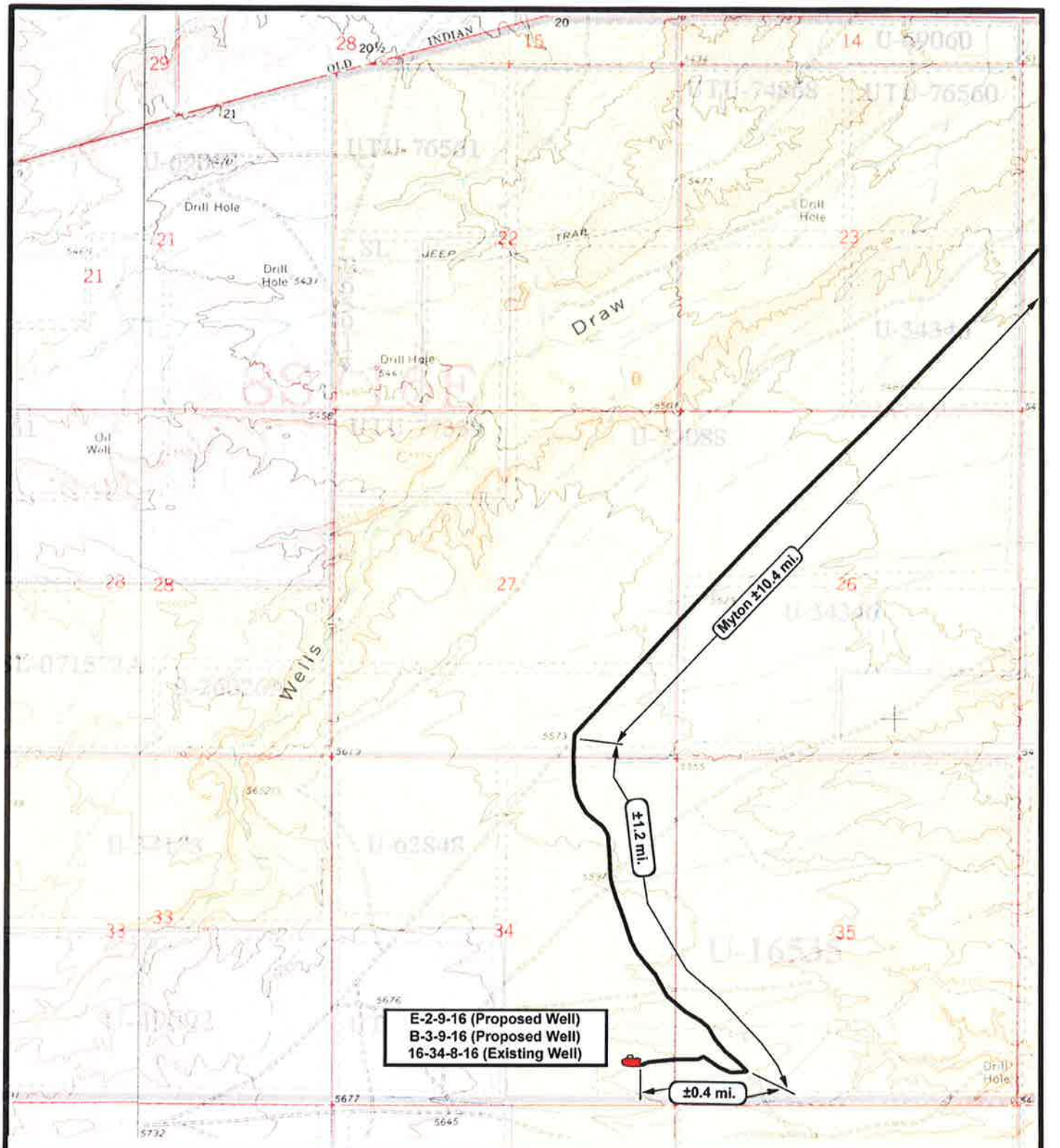
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 01-20-2010

Legend
Existing Road

TOPOGRAPHIC MAP
"A"

'APIWellNo:43013502850000'



NEWFIELD Exploration Company

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)
Pad Location: SESE SEC. 34, T8S, R16E, S.L.B.&M.

N

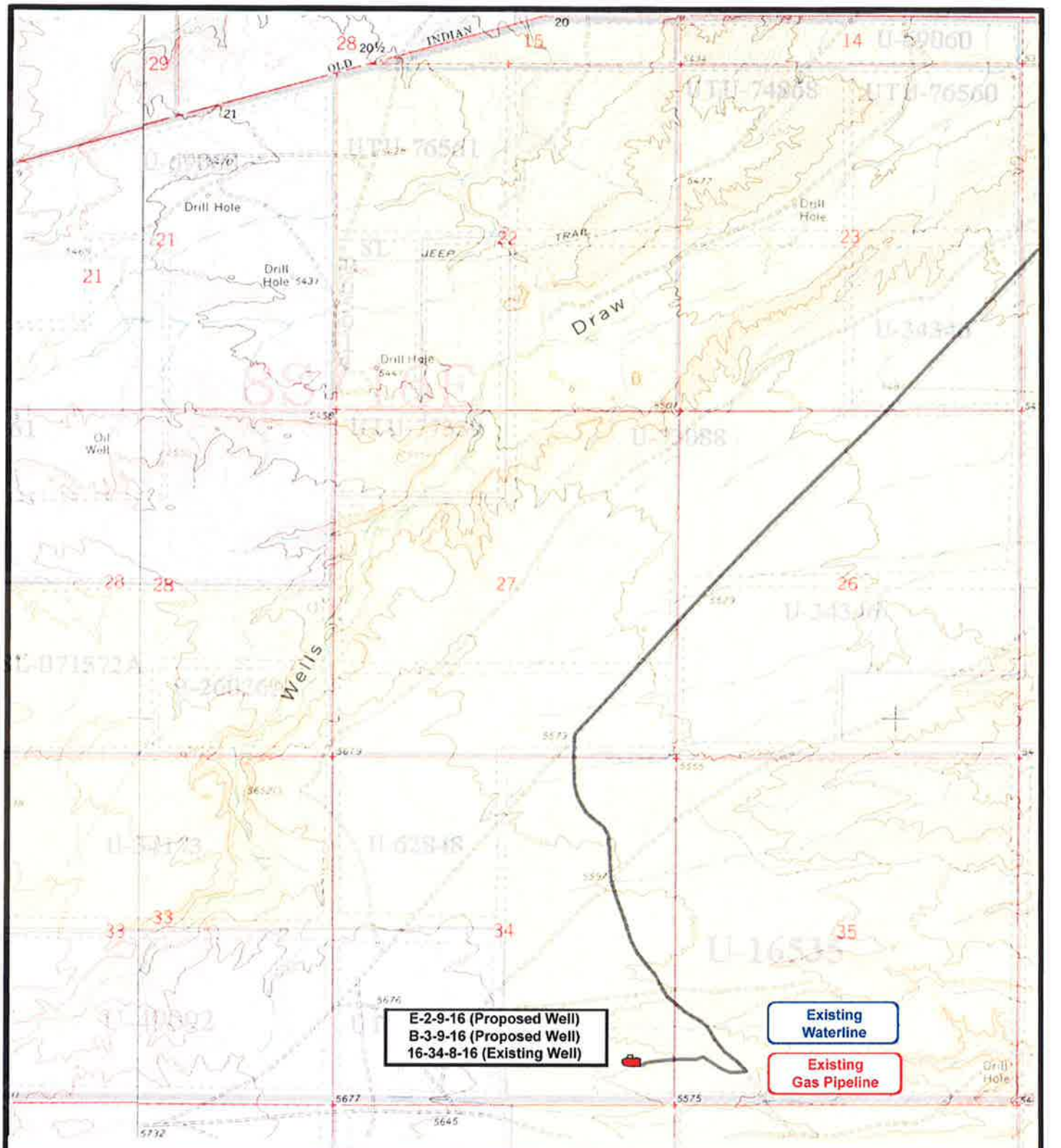
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 01-20-2010

Legend
Existing Road

TOPOGRAPHIC MAP "B"

'APIWellNo:43013502850000'



NEWFIELD
Exploration Company

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)
Pad Location: SESE SEC. 34, T8S, R16E, S.L.B.&M.

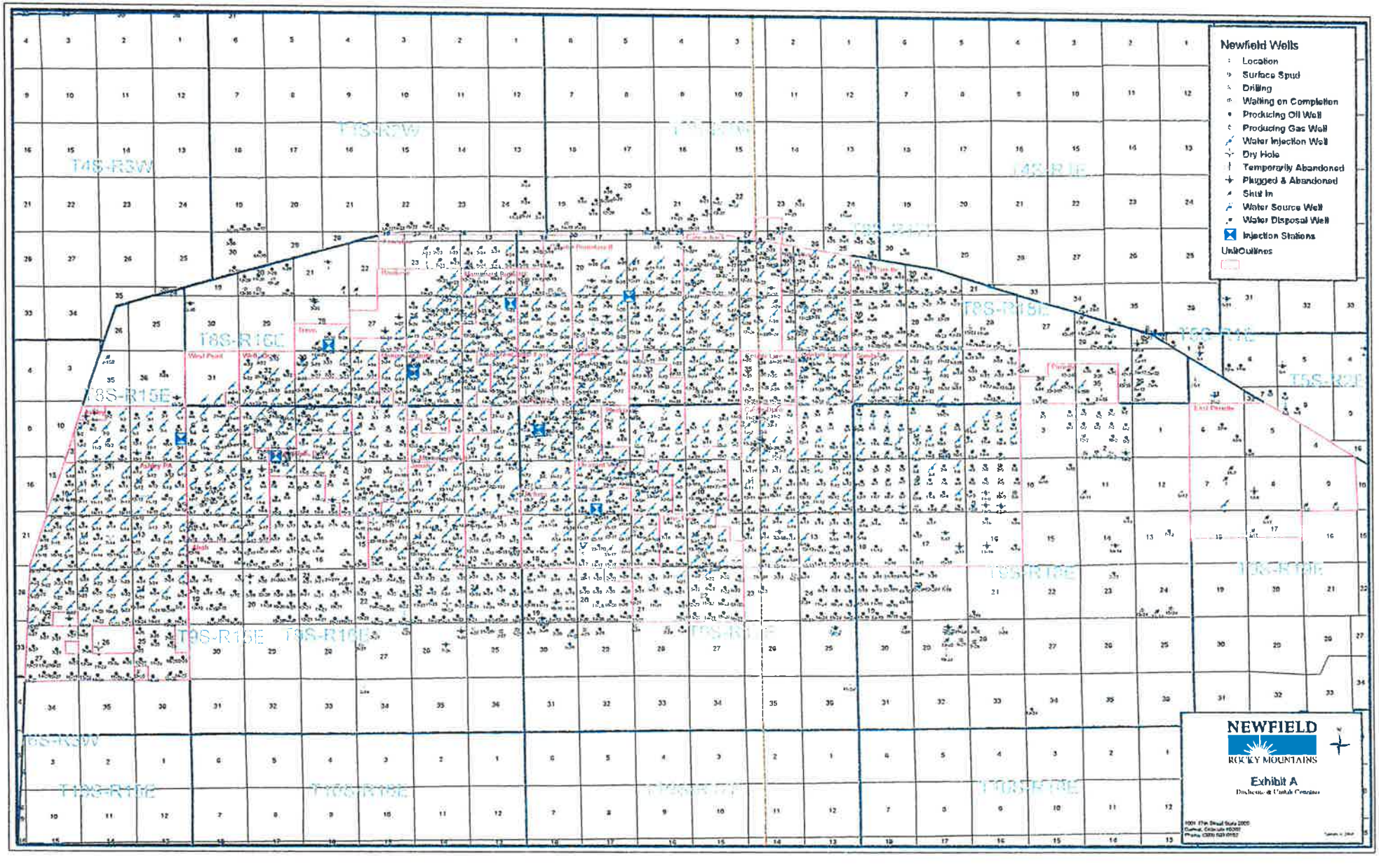
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 01-20-2010

Legend
Roads

TOPOGRAPHIC MAP
"C"



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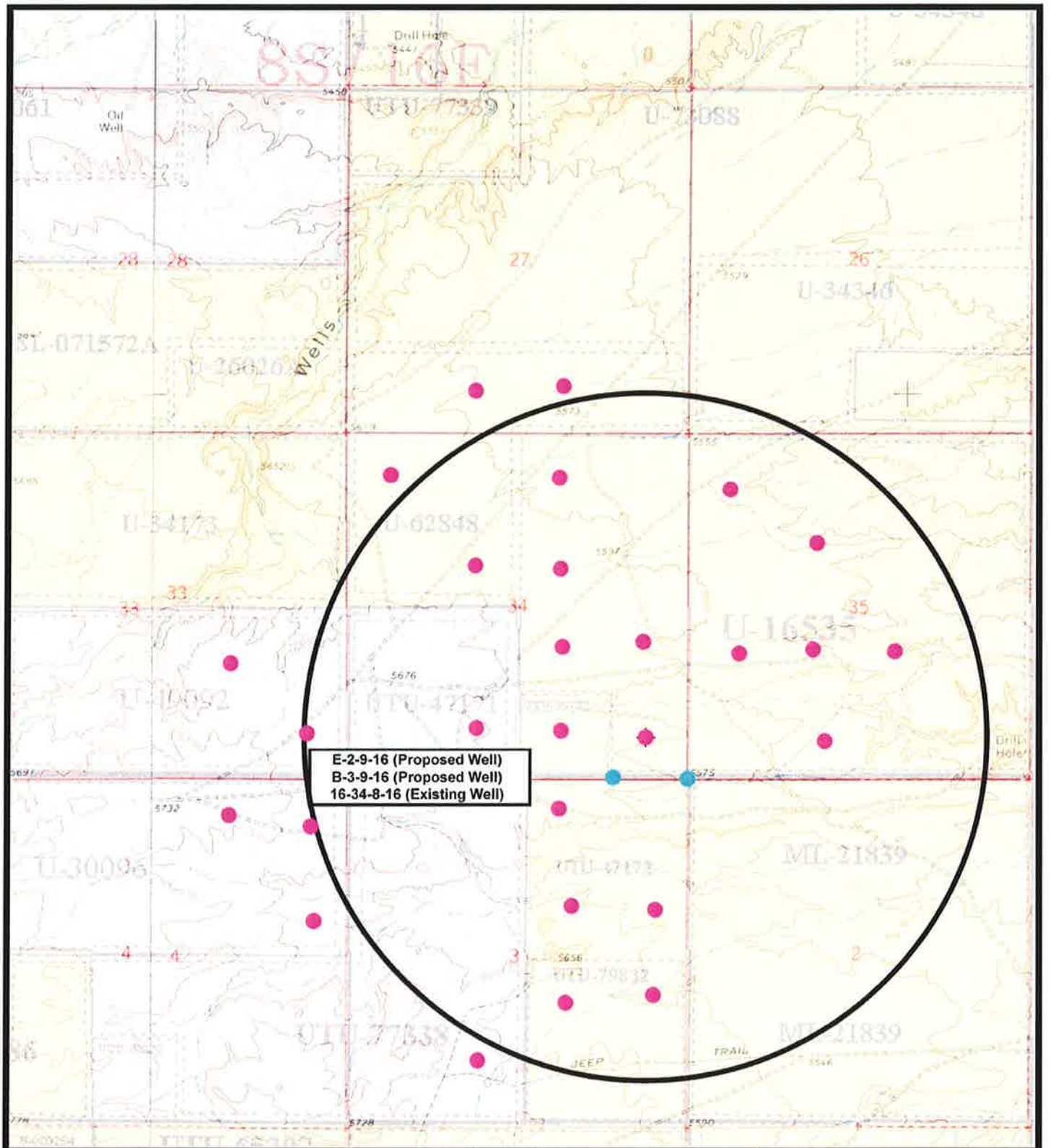


NEWFIELD Exploration Company

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)
Pad Location: SESE SEC. 34, T8S, R16E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: mw
DATE: 01-20-2010

Legend
- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE E-2-9-16
AT SURFACE: SE/SE SECTION 34, T8S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Monument Butte E-2-9-16 located in the SE 1/4 SE 1/4 Section 34, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 6.2 miles ± to it's junction with an existing dirt road to the southwest; proceed southwesterly – 2.8 miles ± to it's junction with an existing road to the southeast; proceed southeasterly – 1.2 miles ± to it's junction with an existing road to the west; proceed easterly – 0.4 miles ± to it's junction with the beginning of the access road to the existing 16-34-8-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled off of the existing 16-34-8-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

There are no existing facilities that will be used by this well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. *LOCATION AND TYPE OF WATER SUPPLY*

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. *SOURCE OF CONSTRUCTION MATERIALS*

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

8. *ANCILLARY FACILITIES*

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. *WELL SITE LAYOUT*

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – Bureau of Land Management.

12. ***OTHER ADDITIONAL INFORMATION***

Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

a) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

b) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Resource Survey and Paleontological Resource Survey for this area have been ordered and will be forthcoming.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte E-2-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte E-2-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

'APIWellNo:43013502850000'

Name:	Tim Eaton
Address:	Newfield Production Company Route 3, Box 3630 Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #E-2-9-16, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

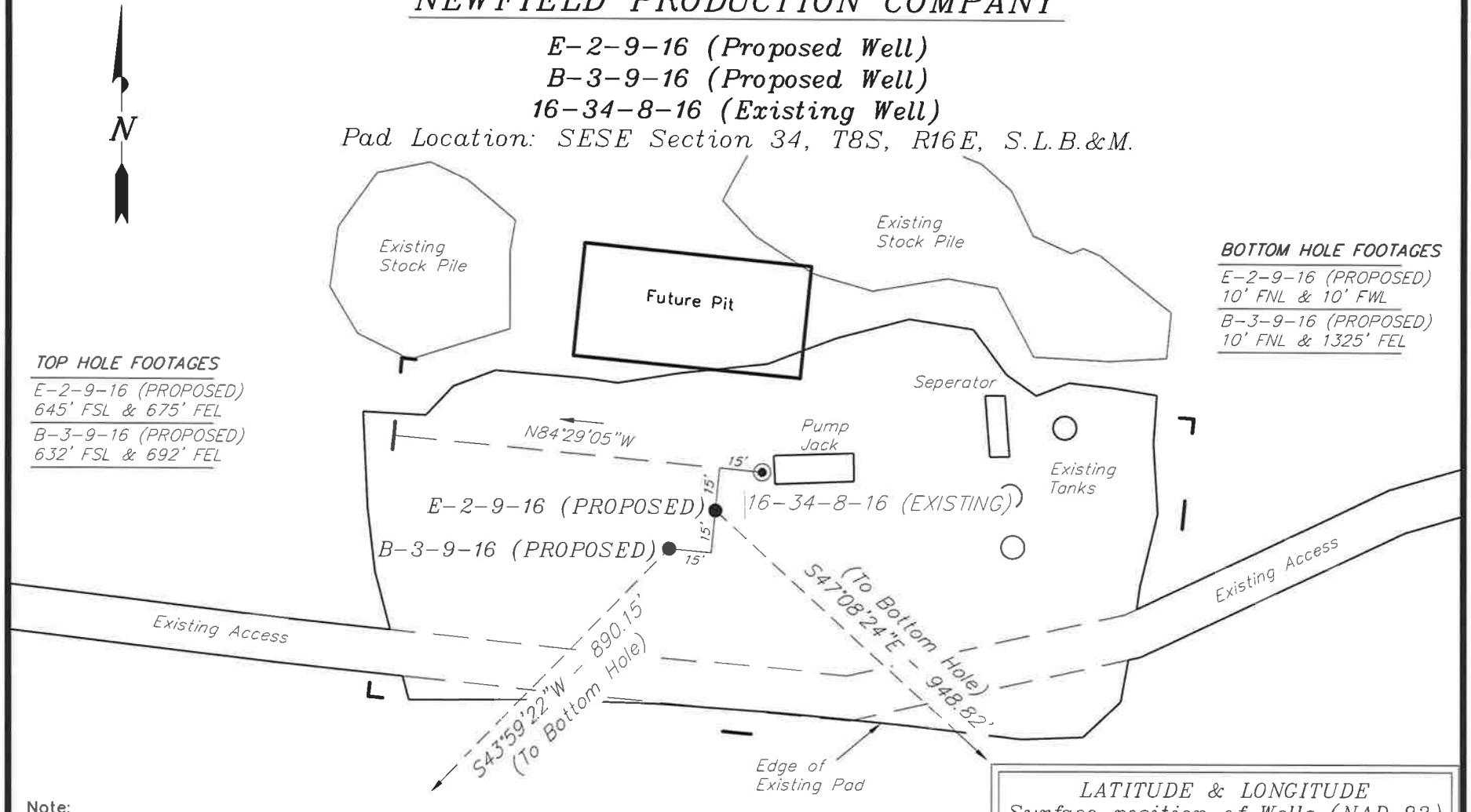
3/11/10
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

'API Well No: 43013502850000'

NEWFIELD PRODUCTION COMPANY

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)
Pad Location: SESE Section 34, T8S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

E-2-9-16 (PROPOSED)
645' FSL & 675' FEL

B-3-9-16 (PROPOSED)
632' FSL & 692' FEL

BOTTOM HOLE FOOTAGES

E-2-9-16 (PROPOSED)
10' FNL & 10' FWL

B-3-9-16 (PROPOSED)
10' FNL & 1325' FEL

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
E-2-9-16	-645'	696'
B-3-9-16	-640'	-618'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
E-2-9-16	40° 04' 08.15"	110° 05' 54.63"
B-3-9-16	40° 04' 08.01"	110° 05' 54.84"
16-34-8-16	40° 04' 08.28"	110° 05' 54.41"

SURVEYED BY:	T.P.	DATE SURVEYED:	10-07-09
DRAWN BY:	M.W.	DATE DRAWN:	10-16-09
SCALE:	1" = 50'	REVISED:	M.W. - 01-20-10

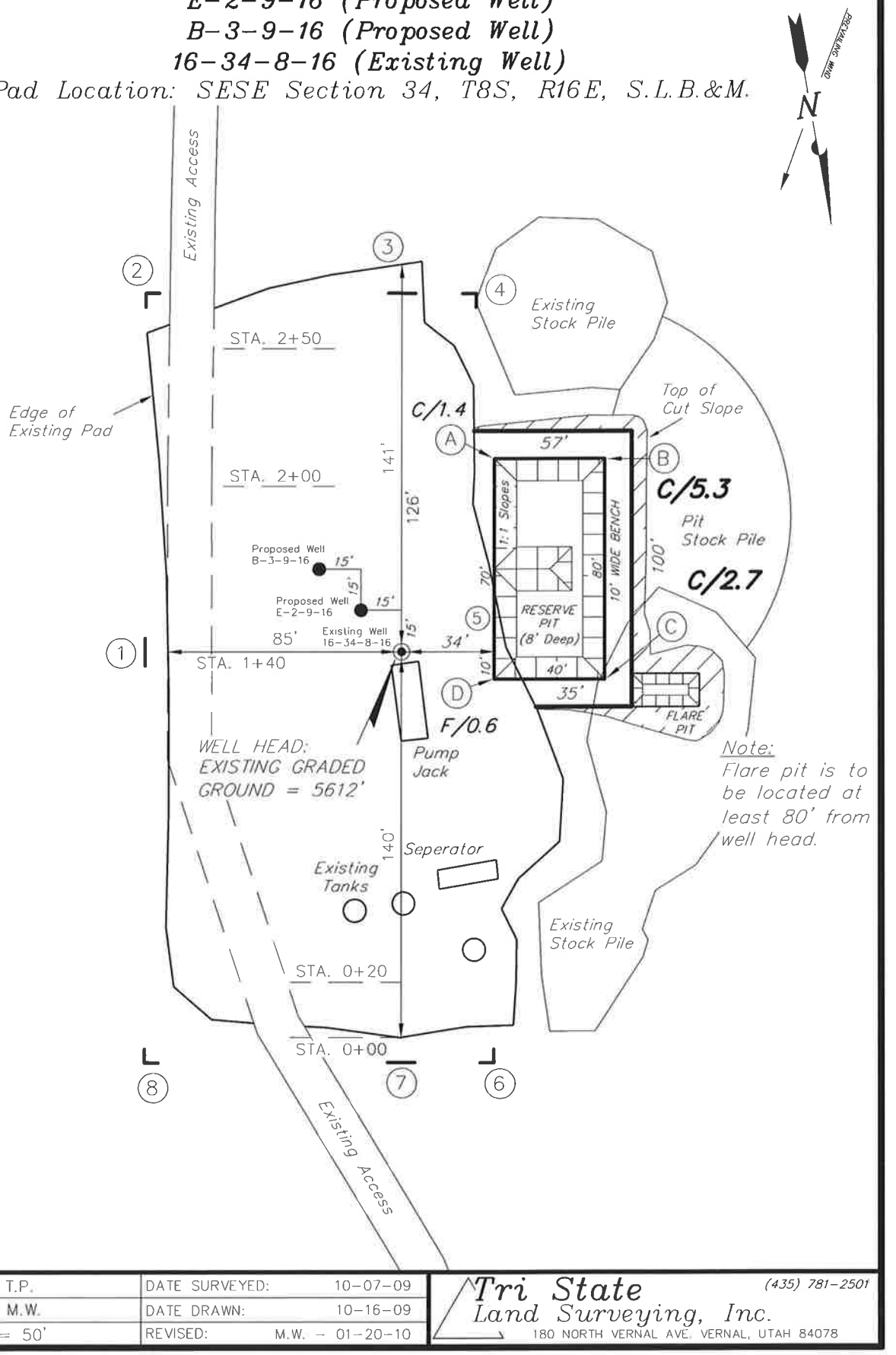
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

'APIWellNo:43013502850000'

NEWFIELD PRODUCTION COMPANY

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)

Pad Location: SESE Section 34, T8S, R16E, S.L.B.&M.



SURVEYED BY: T.P.	DATE SURVEYED: 10-07-09	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 10-16-09	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 50'	REVISED: M.W. - 01-20-10		

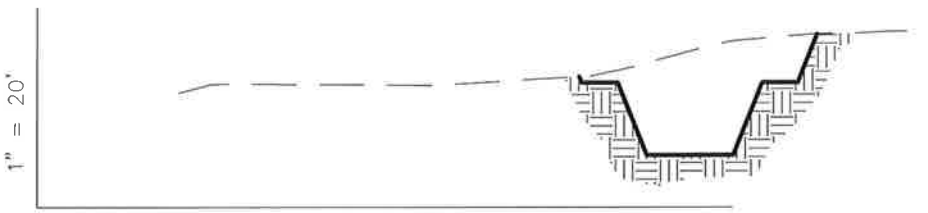
'APIWellNo:43013502850000'

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)

STA. 2+50



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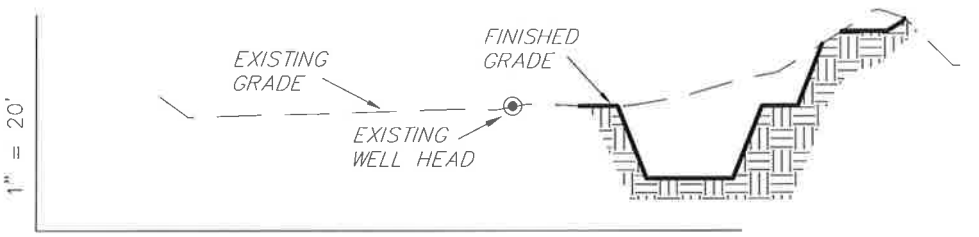
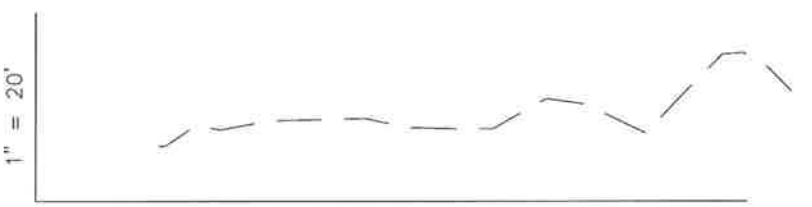


STA. 1+40



STA. 0+20

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	720	10	Topsoil is not included in Pad Cut	710
PIT	640	0		640
TOTALS	1,360	10	150	1,350

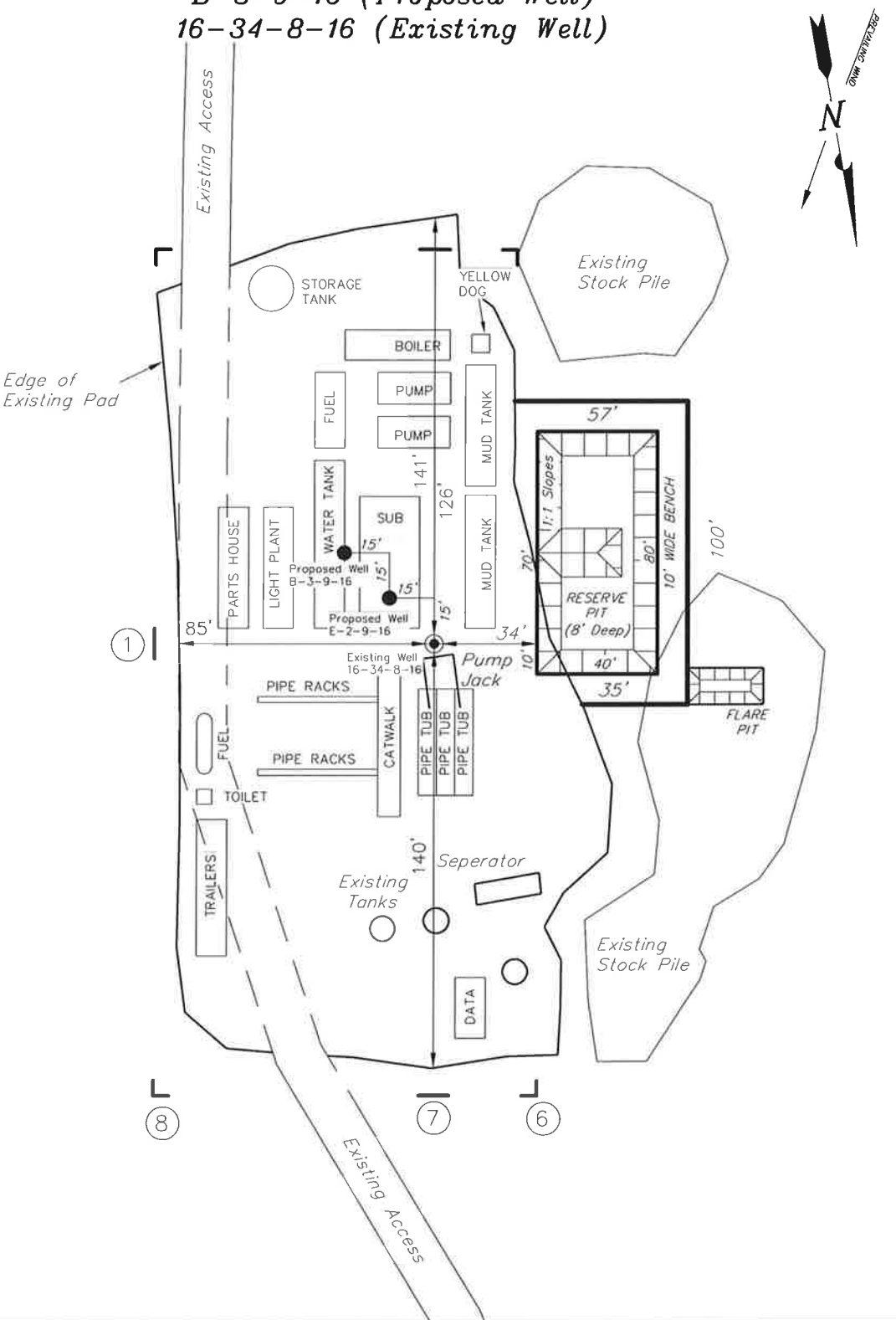
SURVEYED BY: T.P.	DATE SURVEYED: 10-07-09	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 10-16-09	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 50'	REVISED: M.W. - 01-20-10		

'APIWellNo:43013502850000'

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

E-2-9-16 (Proposed Well)
B-3-9-16 (Proposed Well)
16-34-8-16 (Existing Well)



SURVEYED BY: T.P.	DATE SURVEYED: 10-07-09	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 10-16-09	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 50'	REVISED: M.W. - 01-20-10		

'APIWellNo:43013502850000'

Newfield Production Company
Proposed Site Facility Diagram

Greater Monument Butte E-2-9-16

From the 16-34-8-16 Location

SE/SE Sec. 34, T8S, R16E

Duchesne County, Utah

UTU-16535

Site Security Plan is held at the Pleasant Valley Office, Duchesne County Utah

Production Phase:

1) Valves 1, 3, and 4 sealed closed

2) Valves 2, 5 and 6 sealed open

Sales Phase:

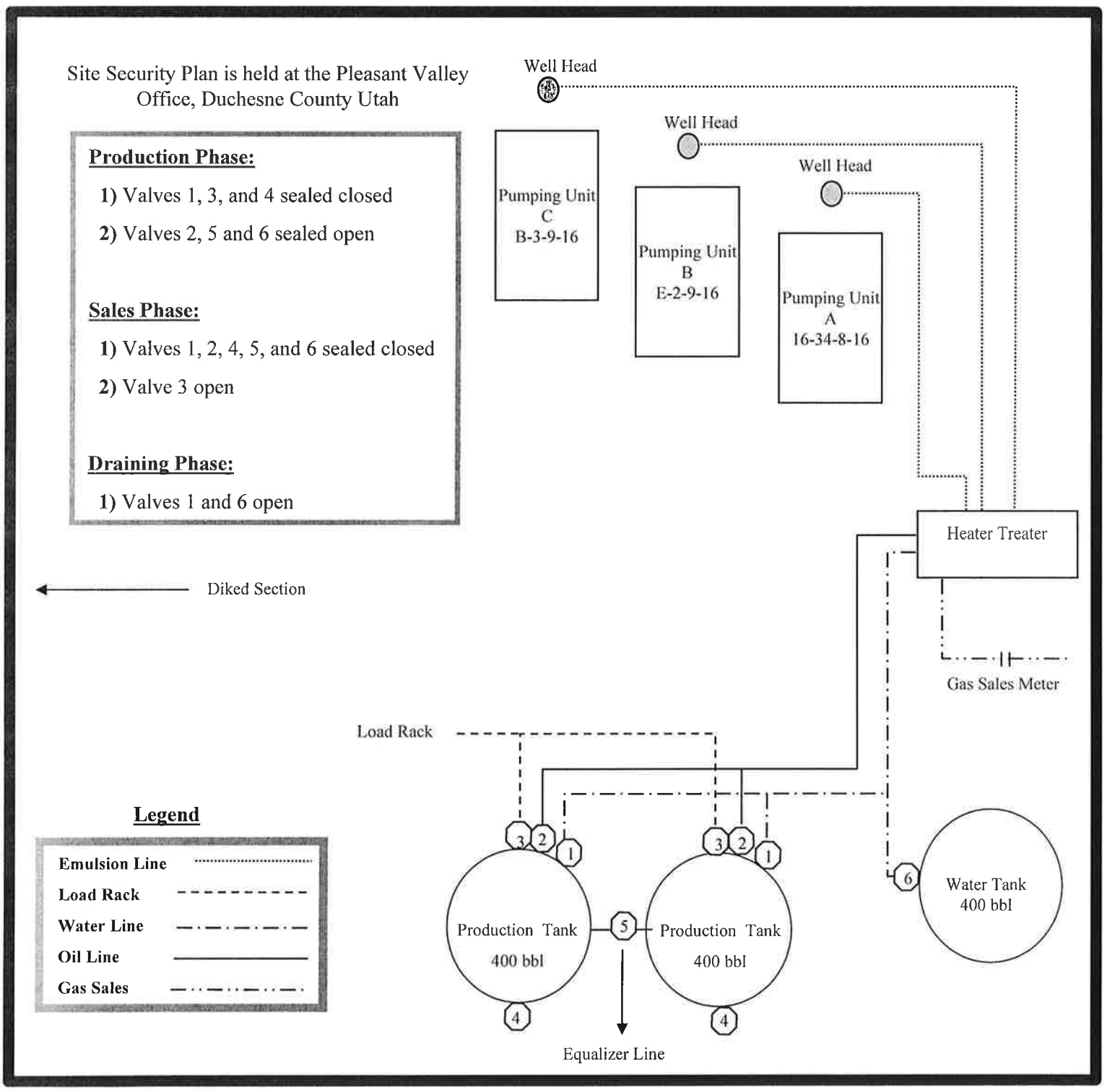
1) Valves 1, 2, 4, 5, and 6 sealed closed

2) Valve 3 open

Draining Phase:

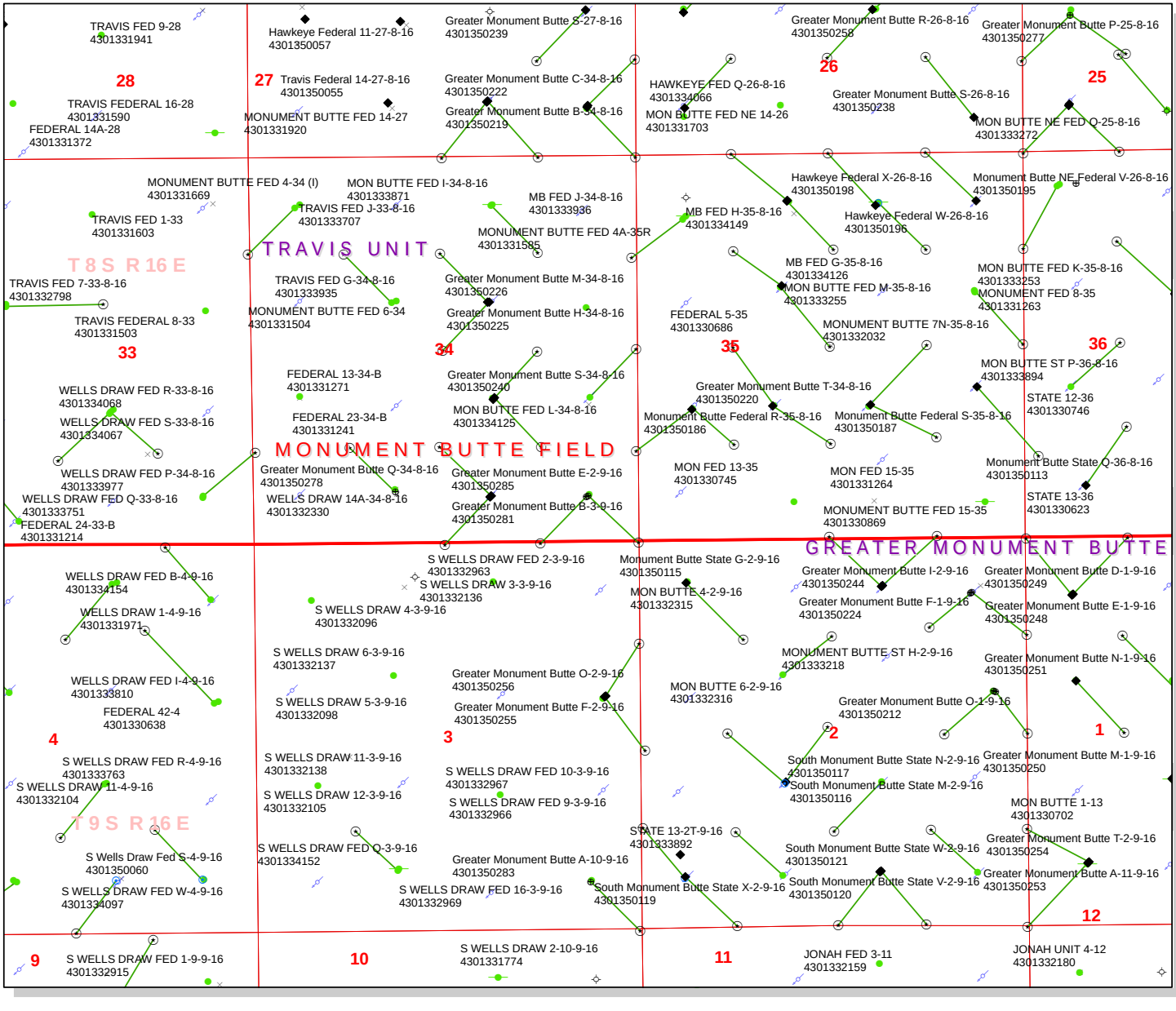
1) Valves 1 and 6 open

Diked Section



Legend

- Emulsion Line
- Load Rack
- Water Line
- Oil Line
- Gas Sales



API Number: 4301350285

Well Name: Greater Monument Butte E-2-9-16

Township 08.0 S Range 16.0 E Section 34

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
- Sections
- Township

Wells Query

<all other values>

Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,800 900 0 1,800 Feet

1:16,619

'APIWellNo:43013502850000'

'APIWellNo:43013502850000'

NEWFIELD
ROCKY MOUNTAINS

March 12, 2010

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling Applications

Dear Ms. Mason,

Please find enclosed, each under separate cover, nine (9) applications for directional drilling in correlation with Applications for Permit to Drill previously filed with your office.

Should you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Thank you for your assistance and consideration regarding this matter.

Sincerely,

Shane Gillespie
Land Associate
Newfield Production Company

enclosures

RECEIVED
MAR 16 2010
DIV. OF OIL, GAS & MINING

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103

'APIWellNo:43013502850000'

NEWFIELD
ROCKY MOUNTAINS

March 12, 2010

2483

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte E-2-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 34: SESE (UTU-16535)
645' FSL 675' FEL

At Target: T9S-R16E Section 2: NWNW (ML-21839)
10' FNL 10' FWL

Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 3/11/10, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield Certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Land Associate

RECEIVED
MAR 16 2010
DIV. OF OIL, GAS & MINING

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103

'APIWellNo:43013502850000'

From: Diana Mason
To: Mandie Crozier
CC: Shane Gillespie
Subject: RE: RE: Directional and exception location letters

I'll put this email in the well file for future reference. If this happens again, will you make note of it so I'll know right off hand.

Thank you,
Diana

>>> "Mandie Crozier" <mcrozier@newfield.com> 3/16/2010 1:15 PM >>>
The proposed BH location is 10' into Lease ML-21839. The BLM has asked us to permit these directional APD's in the Lease that is first penetrated for production. Since no production will come from the proposed BH lease, this well will be considered as producing out of Lease UTU-16535. I believe Ryan Angus and Dustin Doucet have discussed these scenarios.

Let me know if you have any other questions.

Mandie Crozier
Newfield Production
(435) 646-4825
-----Original Message-----
From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Tuesday, March 16, 2010 11:23 AM
To: Mandie Crozier
Subject: Fwd: RE: Directional and exception location letters

Hi Mandie,

Will you double check on the BHL lease number for the Greater Monument Butte E-2-9-16?

Thank you,
Diana

>>> "Shane Gillespie" <sgillespie@newfield.com> 3/16/2010 11:02 AM >>>
Hi Diana,

I'm showing that if the surface location is in T8S-R16E Sec. 34: SESE (UTU-16535), and we drill in a southeasterly direction to a bottom hole in the NWNW of T9S-R16E Sec. 2: NWNW we'll be in lease ML-21839. Right?

Also, sending the letters by email is fine. Do you want each letter in a separate PDF?

Thanks,

Shane Gillespie

'APIWellNo:43013502850000'

Land Associate
Newfield Rocky Mountains
sgillespie@newfield.com
303.383.4197

-----Original Message-----
From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Tuesday, March 16, 2010 10:34 AM
To: Shane Gillespie
Subject: Directional and exception location letters

Hi Shane,

On the Greater Monument Butte E-2-9-16 BHL lease you have it being ML-21839 but when I make my map, Im showing it's Federal (there is no lease number listed on the APD). Will you double check the lease number?

Also, just as an FYI: Will you send letters in through email instead of the mail? Only because we are trying to eliminate all paper and I just upload it to the well file.

Thank you,
Diana

’APIWellNo:43013502850000’

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 22, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50276	GMBU R-24-8-16	Sec 24 T08S R16E 0644 FSL 1993 FEL BHL Sec 24 T08S R16E 1320 FSL 2640 FEL
43-013-50277	GMBU P-25-8-16	Sec 25 T08S R16E 1858 FSL 0670 FWL BHL Sec 25 T08S R16E 1245 FSL 0000 FWL
43-013-50278	GMBU Q-34-8-16	Sec 34 T08S R16E 0713 FSL 1968 FWL BHL Sec 34 T08S R16E 1320 FSL 1358 FWL
43-013-50279	GMBU S-11-9-16	Sec 11 T09S R16E 1992 FSL 2015 FEL BHL Sec 11 T09S R16E 1330 FSL 1370 FEL
43-013-50280	GMBU A-1-9-16	Sec 06 T09S R17E 1100 FNL 0979 FWL BHL Sec 01 T09S R16E 0038 FNL 0075 FEL
43-013-50281	GMBU B-3-9-16	Sec 34 T08S R16E 0632 FSL 0692 FEL BHL Sec 03 T09S R16E 0010 FNL 1325 FEL
43-013-50282	GMBU A-25-8-16	Sec 19 T08S R17E 0742 FSL 0803 FWL BHL Sec 25 T08S R16E 0010 FNL 0010 FEL
43-013-50283	GMBU A-10-9-16	Sec 03 T09S R16E 0666 FSL 0675 FEL BHL Sec 10 T09S R16E 0010 FNL 0010 FEL

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50284	GMBU G-25-8-16	Sec 25 T08S R16E 2095 FNL 2111 FWL
		BHL Sec 25 T08S R16E 1301 FNL 1301 FWL
43-013-50285	GMBU E-2-9-16	Sec 34 T08S R16E 0645 FSL 0675 FEL
		BHL Sec 02 T09S R16E 0010 FNL 0010 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-22-10

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/12/2010 **API NO. ASSIGNED:** 43013502850000

WELL NAME: Greater Monument Butte E-2-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SESE 34 080S 160E **Permit Tech Review:** ☑

SURFACE: 0645 FSL 0675 FEL **Engineering Review:** ☐

BOTTOM: 0010 FNL 0010 FWL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.06889 **LONGITUDE:** -110.09781

UTM SURF EASTINGS: 576936.00 **NORTHINGS:** 4435583.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-16535 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-7478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - Bhill

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Greater Monument Butte E-2-9-16
API Well Number: 43013502850000
Lease Number: UTU-16535
Surface Owner: FEDERAL
Approval Date: 3/25/2010

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

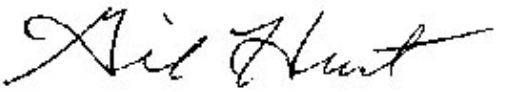
Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-16535

6. If Indian, Allotee or Tribe Name: NA

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.: Greater Monument Butte

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: Greater Monument Butte E-2-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-50285

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: SE/SE 645' FSL 675' FEL Sec. 34, T8S R16E (UTU-16535)

At proposed prod. zone: NW/NW 10' FNL 10' FWL Sec. 2, T9S R16E (ML-21839)

11. Sec., T. R. M. or Blk. and Survey or Area: Sec. 34, T8S R16E

14. Distance in miles and direction from nearest town or post office*: Approximately 12.0 miles south of Myton, UT

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 10' f/lse, NA' f/unit

16. No. of acres in lease: 920.00

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1320'

19. Proposed Depth: 6,446'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5612' GL

22. Approximate date work will start*: 3rd Qtr. 2010

23. Estimated duration: (7) days from SPUD to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 3/11/10

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: James H. Sparger — Date: OCT 07 2010

Title: Acting Assistant Field Manager Lands & Mineral Resources — Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT
2010 MAR 15 PM 2 59

NOS 11/20/2009

AFMSS# 105X501ZA

RECEIVED
VERNAL FIELD OFFICE

RECEIVED
OCT 19 2010

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**SESE, Sec. 34, T8S R16E**
Well No:	**Greater Monument Butte E-2-9-16**	**Lease No:**	**UTU-16535**
API No:	**43-013-50285**	**Agreement:**	**Greater Monument Butte**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

- Construction and drilling is not allowed from May 1st – June 15th to minimize impacts during Mountain plover nesting.

- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted by the BLM biologist.

- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur, and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

Reclamation

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.

Seed Mix (Interim and Final Reclamation)

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	*Elymus elymoides*	3.0	¼ - ½"
Needle and thread grass	*Hesperostipa comata*	3.0	½"
Idaho fescue	*Festuca idahoensis*	2.0	¼ - ½"
Shadscale saltbush	*Atriplex confertifolia*	3.0	½"
Four-wing saltbush	*Atriplex canescens*	3.0	½"
Gardner's saltbush	*Atriplex gardneri*	2.0	½"
Blue flax (Lewis flax)	*Linum lewisii*	2.0	⅛ – ¼"

- All pounds are pure live seed.

- All seed and mulch would be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

Monitoring and Reporting

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- The operator shall comply with all applicable requirements in the SOP (version: "Ute Tribe Green River Development Program", April 17, 2008). The operator shall also comply with applicable laws and regulations; with the lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Spud Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 29 Submitted By Alvin Nielsen Phone Number 435-823-7468
Well Name/Number Greater Monument Butte Federal E-2-9-16E
Qtr/Qtr SE/SE Section 34 Township 9S Range 16E
Lease Serial Number UTU-16535
API Number 43-013-50285

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/12/2010 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 11/12/10 2:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point

☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks Ross Rig # 29 spud the Greater Monument Butte Federal E-2-9-16 @ 8:00 AM on 11/12/10 & Run 85/8" casing @ 2:00 PM on 11/12/10.

_____

_____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301350281	GREATER MON BUTTE ~~FED~~ B 3-9-16	SESE	~~3~~ 34	~~9S~~ 8S	16E	DUCHESNE	11/15/2010	11/29/10

WELL 1 COMMENTS: GRRV BHL NWSE Sec 3 T9S

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17865	~~4301350173~~ 50339	UTE TRIBAL 9-15-4-~~3W~~	NESE	15	4S	3W	DUCHESNE	11/12/2010	11/29/10

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
A	99999	17866	4304751126	UTE TRIBAL 11-14-4-1E	NESW	14	4S	1E	UINTAH	11/15/2010	11/29/10

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301350285	GREATER MON BUTTE ~~FED~~ E 2-9-16	SESE	~~2~~ 34	~~9S~~ 8S	16E	DUCHESNE	11/12/2010	11/29/10

GRRV BHL = NWNW Sec 2 T9S

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17867	4304751104	FIRST CHRISTIAN 12-19-4-1E	NWSW	19	4S	1E	UINTAH	11/11/2010	11/29/10

WELL 5 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17868	4304751127	UTE TRIBAL 11-15-4-1E	NESW	15	4S	1E	UINTAH	11/16/2010	11/29/10

WELL 5 COMMENTS: GRRV

ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
NOV 16 2010
DIV. OF OIL, GAS & MINING

Signature: Jentri Park
Production Clerk
11/16/10

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GRTR MB E-2-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301350285

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

Section 2 T9S R16E 85 16E 34

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/12/10 MIRU Ross # 29. Spud well @ 10:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# casing. Set @ 308.45' KB. On 11/17/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# per sk Cello Flake mixed @ 15.8 ppg with 1.17 cf/sk yield. Returned 6.5 bbls cement to pit. WOC.

RECEIVED
DEC 07 2010
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct *(Printed/ Typed)* Mitch Benson	Title Drilling Foreman
Signature	Date 11/17/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT **308.45**

LAST CASING **14** SET AT **20**
DATUM **12**
DATUM TO CUT OFF CASING **12**
DATUM TO BRADENHEAD FLANGE **12**
TD DRILLER **310** LOGGER
HOLE SIZE **12 1/4"**

OPERATOR **Newfield Exploration Company**
WELL **GRTR MB E-2-9-16**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **Ross Rig #29**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Wellhead				A	0.95
7	8 5/8"	ST&C Casing (40.04' shoe joint)	24	J-55	STC	A	296.6
1		Guide Shoe				A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	298.45	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	296.6	7
TOTAL CSG. DEL. (W/O THRDS)	296.6	7
TIMING		
BEGIN RUN CSG. Spud	10:00 AM	11/12/2010
CSG. IN HOLE	4:00 PM	11/12/2010
BEGIN CIRC	8:45 AM	11/17/2010
BEGIN PUMP CMT	8:55 AM	11/17/2010
BEGIN DSPL. CMT	9:05 AM	11/17/2010
PLUG DOWN	**9:10 AM**	**11/17/2010**

TOTAL LENGTH OF STRING	298.45
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**308.45**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 6
RECIPROCATED PIPI No

BUMPED PLUG TO 459

CEMENT USED		CEMENT COMPANY- **BJ Services**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" + 2% CaCl2 + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield.

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle of firs, top of second, and third for a total of three.	

COMPANY REPRESENTATIVE **Don Bastian** DATE **11/17/2010**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-16535
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	GMBU
1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER	8. WELL NAME and NUMBER: GRTR MB E-2-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301350285
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE:	COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R16E 9S 16E 34	STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
01/06/2011	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Weekly Status Report
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 01-06-11, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [signature] DATE 01/10/2011

(This space for State use only)

RECEIVED
JAN 12 2011
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GRTR MB E-2-9-16

11/1/2010 To 3/28/2011

12/17/2010 Day: 1 **Completion**

Rigless on 12/17/2010 - Test casing to 4500 psi. CBL/Perferate 1st stage. - RU frac head & Cameron BOP's. RU Hot Oiler & test casing, frac head w/ valves & BOP's to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD was 6398' w/ cement top @ 240'. RIH w/ 3-1/8" Port Guns (11 gram, .36"EH, 120°, 16.82"pen) & perferate CP5 sds @ 6241-47', CP4 sds @ 6202-06' w/ 3 spf for total of 30 shots. RD WLT & Hot Oiler. SIFN w/ 153 bbls EWTR.
Daily Cost: $0
Cumulative Cost: $15,624

12/20/2010 Day: 2 **Completion**

Rigless on 12/20/2010 - Frac 3 stages. - RU BJ Services. Frac CP5/CP4 sds as shown in stimulation report. 544 BWTR. - RU PSI wireline. Set CBP & perf CP3/CP1 sds as shown in perforation report. RU BJ Services. Frac CP3/CP1 sds as shown in stimulation report. 927 BWTR. - RU PSI wireline. Set CBP & perf A3/B2 sds as shown in perforation report. RU BJ Services. Frac A3/B2 sds as shown in stimulation report. 1259 BWTR. - RU PSI wireline. Set CBP & perf D1 sds as shown in perforation report. SWIFN.
Daily Cost: $0
Cumulative Cost: $30,664

12/21/2010 Day: 3 **Completion**

Rigless on 12/21/2010 - Frac remaining zones. - RU BJ Services. Frac D1 sds as shown in stimulation report. 1660 BWTR. - RU PSI wireline. Set CBP & perf Xstray/PB10 sds as shown in perforation report. RU BJ Services. Frac Xstray/PB10 sds as shown in stimulation report. 1974 BWTR. - RU PSI wireline. Set CBP & perf GB6/GB4 sds as shown in perforation report. RU BJ Services. Frac GB6/GB4 sds as shown in stimulation report. 2325 BWTR. RD BJ Services & PSI wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 4.5 hrs & turned to oil. Recovered 600 bbls. SWIFN. 1725 BWTR.
Daily Cost: $0
Cumulative Cost: $126,199

12/29/2010 Day: 4 **Completion**

WWS #3 on 12/29/2010 - Set kill plug. MIRU WWS #3. ND Cameron BOP. NU Schaeffer BOP. SWIFN. - RU The Perforators wireline. Set CBP @ 4390'. Bleed off well. MIRU WWS #3. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. SWIFN.
Daily Cost: $0
Cumulative Cost: $171,305

12/30/2010 Day: 5 **Completion**

WWS #3 on 12/30/2010 - RIH w/ tbg. DU CBPs. - 490 psi on well. Bleed off well. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag CBP @

4390'. RU powerswivel & pump. DU CBP in 15 min. Cont. RIH w/ tbg. Tag CBP @ 4560'. DU CBP in 25 min. Cont. RIH w/ tbg. Tag fill @ 4772'. C/O to CBP @ 4990'. DU CBP in 23 min. SWIFN. 1475 BWTR.
Daily Cost: $0
Cumulative Cost: $178,378

1/3/2011 Day: 6 **Completion**

WWS #3 on 1/3/2011 - DU CBPs. - Csg. @ 450 psi, tbg. @ 320 psi. Bleed off well. Cont. RIH w/ tbg. Tag fill @ 5035'. C/O to CBP @ 5120'. DU CBP in 25 min. Cont. RIH w/ tbg. Tag CBP @ 5670'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag fill @ 5910'. C/O to CBP @ 6150'. DU CBP in 22 min. Circulate well clean. SWIFN.
Daily Cost: $0
Cumulative Cost: $189,381

1/4/2011 Day: 7 **Completion**

WWS #3 on 1/4/2011 - C/O to PBTD. Swab for cleanup. - Csg. @ 550 psi, tbg. @ 390 psi. Bleed off well. Cont. RIH w/ tbg. Tag fill @ 6307'. C/O to PBTD @ 6431'. Circulate well clean. Pull up to 6363'. RIH w/ swab. SFL @ surface. Made 9 runs. Recovered 125 bbls. Trace of oil. Making a lot of sand. EFL @ 600'. SWIFN.
Daily Cost: $0
Cumulative Cost: $195,923

1/5/2011 Day: 8 **Completion**

WWS #3 on 1/5/2011 - Flow well. Round trip tbg. ND BOP. RIH w/ partial rod string. SWIFN w/ polished rod. 1380 BWTR. - Csg. @ 550 psi, tbg. @ 500 psi. Flow well for 2.5 hrs. Recovered 115 bbls. Ending oil cut @ approx. 20%. Kill tbg. w/ 20 bbls water. RIH w/ tbg. Tag fill @ 6423'. C/O to PBTD @ 6431'. Circulate well clean. LD extra tbg. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC & 198 jts 2 7/8" tbg. ND BOP. Set TAC @ 6181' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 4- 1 1/2" weight bars & 80- 7/8" guided rods. SWIFN w/ polished rod. 1380 BWTR.
Daily Cost: $0
Cumulative Cost: $202,134

1/6/2011 Day: 9 **Completion**

WWS #3 on 1/6/2011 - RIH w/ rods. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. PWOP @ 4:30 p.m. 144" stroke length, 5 spm. Final Report. 1210 BWTR. - Csg. @ 350 psi, tbg. @ 200 psi. Bleed off well. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 4- 1 1/2" weight bars, 243- 7/8" guided rods (8 per), 1- 8, 6, 4, 2 x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. PWOP @ 4:30 p.m. 144" stroke length, 5 spm. Final Report. 1210 BWTR. **Finalized**
Daily Cost: $0
Cumulative Cost: $237,926

Pertinent Files: Go to File List

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-16535

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: GREATER MONUMENT BT E-2-9-16

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435)646-3721

9. AFI Well No.: 43-013-50285

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

BHL Reviewed by HSM

At surface 645' FSL & 675' FEL (SE/SE) SEC. 34, T8S, R16E (UTU-16535)

At top prod. interval reported below 97' FSL & 85' FEL (SE/SE) SEC. 34, T8S, R16E (UTU-16535)

At total depth 170' FNL & 222' FWL (NW/NW) SEC. 2, T9S, R16E (ML-21839)

10. Field and Pool or Exploratory: GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area: SEC. 34, T8S, R16E

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 11/12/2010

15. Date T.D. Reached: 12/06/2010

16. Date Completed: 01/05/2011 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5612' GL 5624' KB

18. Total Depth: MD 6451' TVD 6326'

19. Plug Back T.D.: MD 6431' TVD 6306

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	308'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6445'		275 PRIMLITE		240'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6312'	TA @ 6182'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4467'	6247'	6202-6247'	.36"	30	
B)			4467-6068'	.34"	135	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4467-6247'	Frac w/ 140820#'s 20/40 sand in 1192 bbls of Lightning 17 fluid in 6 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/05/11	01/17/11	24	→	21	6.89	17			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	4467'	6247'		GARDEN GULCH MRK	3993'
				GARDEN GULCH 1	4211'
				GARDEN GULCH 2	4334'
				POINT 3	4603'
				X MRKR	4863'
				Y MRKR	4898'
				DOUGALS CREEK MRK	5023'
				BI CARBONATE MRK	5278'
				B LIMESTON MRK	5410'
				CASTLE PEAK	5897'
				BASAL CARBONATE	6334'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Lucy Chavez-Naupoto Title Administrative Assistant

Signature Lucy Chavez-Naupoto Date 01/18/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 34 T8S, R16E
E-2-9-16

Wellbore #1

Design: Actual

Standard Survey Report

08 December, 2010

FALCON DIRECTIONAL

NEWFIELD

PayZone Directional Services, LLC.

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well E-2-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Well:	E-2-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 34 T8S, R16E, SEC 34 T8S, R16E				
Site Position:		**Northing:**	7,199,000.00 ft	**Latitude:**	40° 4' 29.106 N
From:	Lat/Long	**Easting:**	2,031,000.00 ft	**Longitude:**	110° 6' 14.985 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.89 °

Well	E-2-9-16, SHL LAT: 40 04 08.15, LONG -110 05 54.63					
Well Position	**+N/-S**	0.0 ft	**Northing:**	7,196,904.59 ft	**Latitude:**	40° 4' 8.150 N
	+E/-W	0.0 ft	**Easting:**	2,032,615.22 ft	**Longitude:**	110° 5' 54.630 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,624.0 ft	**Ground Level:**	5,612.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2010/12/08	11.40	65.82	52,329

Design	Actual				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	132.25	

Survey Program **Date** 2010/12/08

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
17.0	1,612.0	Survey #1 (Wellbore #1)	CT_GYRO_MS	Continuous Gyro Multishot
1,644.0	6,451.0	Survey #2 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
17.0	0.43	106.49	17.0	0.0	0.1	0.1	2.53	2.53	0.00
18.0	0.71	125.69	18.0	0.0	0.1	0.1	33.52	28.00	1,920.00
19.0	0.77	126.84	19.0	0.0	0.1	0.1	6.18	6.00	115.00
20.0	0.69	127.19	20.0	0.0	0.1	0.1	8.01	-8.00	35.00
21.0	0.80	123.48	21.0	0.0	0.1	0.1	12.01	11.00	-371.00
22.0	0.81	123.92	22.0	-0.1	0.1	0.1	1.18	1.00	44.00
23.0	0.84	128.26	23.0	-0.1	0.1	0.1	6.93	3.00	434.00
24.0	0.84	126.21	24.0	-0.1	0.1	0.1	3.01	0.00	-205.00
25.0	0.85	126.13	25.0	-0.1	0.1	0.2	1.01	1.00	-8.00
26.0	0.82	124.36	26.0	-0.1	0.2	0.2	3.96	-3.00	-177.00
27.0	0.82	124.50	27.0	-0.1	0.2	0.2	0.20	0.00	14.00

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well E-2-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Well:	E-2-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
28.0	0.82	125.56	28.0	-0.1	0.2	0.2	1.52	0.00	106.00
29.0	0.83	123.44	29.0	-0.1	0.2	0.2	3.21	1.00	-212.00
30.0	0.83	122.68	30.0	-0.1	0.2	0.2	1.10	0.00	-76.00
31.0	0.84	124.48	31.0	-0.1	0.2	0.2	2.81	1.00	180.00
32.0	0.85	121.17	32.0	-0.1	0.2	0.3	4.98	1.00	-331.00
62.0	0.99	123.72	62.0	-0.4	0.6	0.7	0.49	0.47	8.50
92.0	1.27	135.62	92.0	-0.8	1.1	1.3	1.21	0.93	39.67
122.0	1.87	144.96	122.0	-1.4	1.6	2.1	2.17	2.00	31.13
152.0	2.71	157.80	152.0	-2.5	2.1	3.3	3.26	2.80	42.80
182.0	2.92	166.48	181.9	-3.9	2.6	4.5	1.58	0.70	28.93
212.0	3.35	160.85	211.9	-5.4	3.1	5.9	1.76	1.43	-18.77
242.0	3.78	166.70	241.8	-7.2	3.6	7.5	1.88	1.43	19.50
272.0	3.96	168.85	271.7	-9.2	4.0	9.2	0.77	0.60	7.17
302.0	4.20	173.39	301.7	-11.3	4.3	10.8	1.34	0.80	15.13
332.0	4.30	170.52	331.6	-13.5	4.6	12.5	0.78	0.33	-9.57
362.0	4.51	175.72	361.5	-15.8	4.9	14.3	1.50	0.70	17.33
392.0	4.17	174.20	391.4	-18.1	5.1	15.9	1.20	-1.13	-5.07
422.0	4.51	173.28	421.3	-20.3	5.4	17.6	1.16	1.13	-3.07
452.0	4.96	168.69	451.2	-22.8	5.8	19.6	1.96	1.50	-15.30
482.0	5.24	161.54	481.1	-25.3	6.4	21.8	2.31	0.93	-23.83
512.0	5.38	157.26	511.0	-27.9	7.4	24.3	1.40	0.47	-14.27
562.0	5.44	151.83	560.8	-32.2	9.4	28.6	1.03	0.12	-10.86
612.0	5.68	149.87	610.5	-36.4	11.8	33.2	0.61	0.48	-3.92
662.0	5.84	142.49	660.3	-40.6	14.6	38.1	1.51	0.32	-14.76
712.0	5.88	138.53	710.0	-44.5	17.8	43.1	0.81	0.08	-7.92
762.0	6.30	131.07	759.7	-48.2	21.6	48.4	1.79	0.84	-14.92
812.0	6.27	127.93	809.4	-51.7	25.8	53.9	0.69	-0.06	-6.28
862.0	6.41	133.21	859.1	-55.3	30.0	59.4	1.20	0.28	10.56
912.0	6.83	128.53	908.8	-59.1	34.4	65.2	1.37	0.84	-9.36
962.0	6.99	125.31	958.4	-62.7	39.2	71.1	0.84	0.32	-6.44
1,012.0	7.50	126.96	1,008.0	-66.4	44.3	77.4	1.10	1.02	3.30
1,062.0	8.02	124.83	1,057.6	-70.3	49.7	84.1	1.19	1.04	-4.26
1,112.0	8.20	126.13	1,107.1	-74.4	55.5	91.1	0.51	0.36	2.60
1,162.0	8.40	128.27	1,156.5	-78.8	61.2	98.3	0.74	0.40	4.28
1,212.0	9.08	129.01	1,206.0	-83.6	67.2	105.9	1.38	1.36	1.48
1,262.0	10.12	132.30	1,255.3	-89.0	73.5	114.2	2.35	2.08	6.58
1,312.0	10.52	134.42	1,304.5	-95.1	80.0	123.2	1.10	0.80	4.24
1,362.0	11.39	134.57	1,353.5	-101.8	86.8	132.7	1.74	1.74	0.30
1,412.0	11.51	136.43	1,402.5	-108.9	93.7	142.6	0.78	0.24	3.72
1,462.0	11.61	136.01	1,451.5	-116.1	100.7	152.6	0.26	0.20	-0.84
1,512.0	11.89	133.78	1,500.5	-123.3	107.9	162.8	1.07	0.56	-4.46
1,612.0	12.22	131.39	1,598.3	-137.4	123.2	183.6	0.60	0.33	-2.39
Gyro to 1612' MD									
1,644.0	12.13	130.78	1,629.6	-141.9	128.3	190.4	0.49	-0.28	-1.91
1,676.0	12.30	131.13	1,660.8	-146.3	133.4	197.1	0.58	0.53	1.09
1,708.0	12.52	130.91	1,692.1	-150.8	138.6	204.0	0.70	0.69	-0.69
1,740.0	12.70	131.35	1,723.3	-155.4	143.9	211.0	0.64	0.56	1.38
1,771.0	12.70	131.79	1,753.6	-159.9	149.0	217.8	0.31	0.00	1.42
1,803.0	12.57	132.80	1,784.8	-164.6	154.2	224.8	0.80	-0.41	3.16
1,835.0	12.40	135.00	1,816.0	-169.4	159.2	231.7	1.58	-0.53	6.88
1,866.0	11.78	135.35	1,846.3	-174.0	163.7	238.2	2.01	-2.00	1.13
1,898.0	11.40	133.30	1,877.7	-178.5	168.3	244.6	1.75	-1.19	-6.41
1,930.0	11.00	130.00	1,909.1	-182.7	173.0	250.9	2.36	-1.25	-10.31
1,961.0	11.10	127.70	1,939.5	-186.4	177.6	256.8	1.46	0.32	-7.42

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well E-2-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Well:	E-2-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,993.0	11.20	126.60	1,970.9	-190.1	182.5	263.0	0.73	0.31	-3.44
2,025.0	11.20	128.10	2,002.3	-193.9	187.5	269.1	0.91	0.00	4.69
2,056.0	11.10	125.50	2,032.7	-197.5	192.3	275.1	1.65	-0.32	-8.39
2,088.0	11.40	125.80	2,064.1	-201.1	197.3	281.3	0.96	0.94	0.94
2,120.0	11.60	128.40	2,095.4	-205.0	202.4	287.7	1.74	0.63	8.13
2,152.0	12.10	126.20	2,126.8	-209.0	207.7	294.2	2.11	1.56	-6.88
2,183.0	12.50	126.40	2,157.1	-212.9	213.0	300.8	1.30	1.29	0.65
2,215.0	12.80	126.20	2,188.3	-217.0	218.6	307.7	0.95	0.94	-0.63
2,247.0	12.70	127.80	2,219.5	-221.3	224.3	314.8	1.15	-0.31	5.00
2,278.0	12.90	128.40	2,249.7	-225.5	229.7	321.6	0.77	0.65	1.94
2,310.0	12.70	130.30	2,280.9	-230.0	235.2	328.7	1.46	-0.63	5.94
2,342.0	12.70	129.90	2,312.1	-234.5	240.5	335.7	0.27	0.00	-1.25
2,374.0	12.80	131.40	2,343.3	-239.1	245.9	342.8	1.08	0.31	4.69
2,405.0	12.70	131.90	2,373.6	-243.7	251.0	349.6	0.48	-0.32	1.61
2,437.0	12.60	133.50	2,404.8	-248.4	256.2	356.6	1.14	-0.31	5.00
2,469.0	13.00	131.20	2,436.0	-253.2	261.4	363.7	2.02	1.25	-7.19
2,500.0	13.40	133.20	2,466.2	-258.0	266.6	370.8	1.96	1.29	6.45
2,532.0	13.30	133.40	2,497.3	-263.0	272.0	378.2	0.34	-0.31	0.63
2,564.0	12.92	133.63	2,528.5	-268.0	277.3	385.5	1.20	-1.19	0.72
2,596.0	12.90	134.00	2,559.7	-273.0	282.4	392.6	0.27	-0.06	1.16
2,628.0	13.00	132.83	2,590.9	-277.9	287.6	399.8	0.88	0.31	-3.66
2,660.0	12.70	130.30	2,622.1	-282.6	293.0	406.9	1.99	-0.94	-7.91
2,691.0	12.60	131.80	2,652.3	-287.1	298.1	413.7	1.11	-0.32	4.84
2,723.0	12.30	131.80	2,683.6	-291.7	303.2	420.6	0.94	-0.94	0.00
2,755.0	12.00	131.70	2,714.9	-296.2	308.3	427.3	0.94	-0.94	-0.31
2,786.0	11.60	131.40	2,745.2	-300.4	313.0	433.6	1.31	-1.29	-0.97
2,818.0	11.80	128.70	2,776.5	-304.5	318.0	440.1	1.82	0.63	-8.44
2,850.0	12.30	129.60	2,807.8	-308.8	323.1	446.8	1.67	1.56	2.81
2,881.0	12.30	129.50	2,838.1	-313.0	328.2	453.4	0.07	0.00	-0.32
2,913.0	12.76	128.00	2,869.4	-317.3	333.7	460.3	1.76	1.44	-4.69
2,945.0	12.90	128.80	2,900.6	-321.7	339.2	467.4	0.71	0.44	2.50
2,977.0	13.50	129.50	2,931.7	-326.3	344.9	474.7	1.94	1.88	2.19
3,008.0	13.60	129.60	2,961.8	-331.0	350.5	482.0	0.33	0.32	0.32
3,040.0	13.90	132.30	2,992.9	-335.9	356.2	489.6	2.21	0.94	8.44
3,072.0	13.70	132.60	3,024.0	-341.1	361.9	497.2	0.66	-0.63	0.94
3,103.0	13.80	131.80	3,054.1	-346.0	367.3	504.6	0.69	0.32	-2.58
3,135.0	14.30	133.40	3,085.2	-351.3	373.0	512.3	1.98	1.56	5.00
3,167.0	14.00	135.00	3,116.2	-356.8	378.6	520.2	1.54	-0.94	5.00
3,198.0	13.40	135.70	3,146.3	-362.0	383.8	527.5	2.01	-1.94	2.26
3,230.0	13.10	135.00	3,177.5	-367.2	389.0	534.8	1.06	-0.94	-2.19
3,262.0	13.10	133.90	3,208.6	-372.3	394.1	542.1	0.78	0.00	-3.44
3,294.0	13.50	131.50	3,239.8	-377.3	399.6	549.4	2.13	1.25	-7.50
3,326.0	13.20	131.50	3,270.9	-382.2	405.1	556.8	0.94	-0.94	0.00
3,358.0	12.43	129.30	3,302.1	-386.8	410.5	563.9	2.85	-2.41	-6.88
3,389.0	12.00	128.40	3,332.4	-390.9	415.6	570.4	1.52	-1.39	-2.90
3,421.0	11.50	130.40	3,363.7	-395.0	420.6	577.0	2.02	-1.56	6.25
3,453.0	11.30	128.70	3,395.1	-399.0	425.5	583.3	1.22	-0.63	-5.31
3,485.0	11.70	129.00	3,426.5	-403.0	430.5	589.6	1.26	1.25	0.94
3,517.0	12.20	128.80	3,457.8	-407.2	435.6	596.3	1.57	1.56	-0.63
3,548.0	12.40	130.60	3,488.0	-411.4	440.7	602.8	1.40	0.65	5.81
3,580.0	12.50	130.10	3,519.3	-415.9	446.0	609.7	0.46	0.31	-1.56
3,611.0	12.60	131.50	3,549.6	-420.3	451.1	616.5	1.03	0.32	4.52
3,642.0	12.83	131.57	3,579.8	-424.8	456.2	623.3	0.74	0.74	0.23
3,674.0	12.90	132.90	3,611.0	-429.6	461.4	630.4	0.95	0.22	4.16

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well E-2-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Well:	E-2-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,706.0	12.70	132.70	3,642.2	-434.4	466.7	637.5	0.64	-0.63	-0.63
3,737.0	12.70	132.10	3,672.4	-439.0	471.7	644.3	0.43	0.00	-1.94
3,769.0	13.00	132.58	3,703.6	-443.8	476.9	651.4	1.00	0.94	1.50
3,801.0	13.30	132.80	3,734.8	-448.7	482.3	658.7	0.95	0.94	0.69
3,832.0	13.10	133.00	3,765.0	-453.6	487.5	665.8	0.66	-0.65	0.65
3,864.0	13.00	133.00	3,796.2	-458.5	492.8	673.0	0.31	-0.31	0.00
3,896.0	12.60	131.00	3,827.4	-463.2	498.0	680.1	1.87	-1.25	-6.25
3,927.0	12.50	128.90	3,857.6	-467.6	503.2	686.8	1.51	-0.32	-6.77
3,959.0	12.10	130.30	3,888.9	-471.9	508.4	693.7	1.56	-1.25	4.38
3,992.0	11.80	130.60	3,921.2	-476.3	513.6	700.5	0.93	-0.91	0.91
4,023.0	12.10	129.90	3,951.5	-480.5	518.5	706.9	1.07	0.97	-2.26
4,055.0	12.00	132.50	3,982.8	-484.9	523.6	713.6	1.72	-0.31	8.13
4,087.0	12.40	132.00	4,014.1	-489.4	528.6	720.3	1.29	1.25	-1.56
4,118.0	12.30	132.90	4,044.4	-493.9	533.5	727.0	0.70	-0.32	2.90
4,150.0	12.60	133.80	4,075.6	-498.6	538.5	733.9	1.12	0.94	2.81
4,182.0	12.80	131.60	4,106.8	-503.4	543.7	740.9	1.64	0.63	-6.88
4,213.0	12.80	132.40	4,137.0	-508.0	548.8	747.8	0.57	0.00	2.58
4,244.0	12.90	133.60	4,167.3	-512.7	553.8	754.7	0.92	0.32	3.87
4,276.0	13.40	134.50	4,198.4	-517.8	559.0	761.9	1.69	1.56	2.81
4,308.0	13.20	134.40	4,229.6	-522.9	564.3	769.3	0.63	-0.63	-0.31
4,340.0	13.20	134.80	4,260.7	-528.1	569.5	776.6	0.29	0.00	1.25
4,372.0	13.40	134.80	4,291.9	-533.2	574.7	783.9	0.63	0.63	0.00
4,403.0	13.20	134.80	4,322.0	-538.3	579.8	791.1	0.65	-0.65	0.00
4,434.0	12.80	134.40	4,352.2	-543.2	584.7	798.0	1.32	-1.29	-1.29
4,466.0	12.40	132.10	4,383.5	-547.9	589.8	805.0	2.00	-1.25	-7.19
4,498.0	12.40	132.10	4,414.7	-552.6	594.9	811.9	0.00	0.00	0.00
4,529.0	12.13	132.10	4,445.0	-557.0	599.8	818.5	0.87	-0.87	0.00
4,562.0	12.10	132.60	4,477.3	-561.6	604.9	825.4	0.33	-0.09	1.52
4,593.0	11.40	131.20	4,507.6	-565.9	609.6	831.7	2.44	-2.26	-4.52
4,625.0	11.30	131.80	4,539.0	-570.0	614.3	838.0	0.48	-0.31	1.88
4,657.0	11.10	132.00	4,570.4	-574.2	619.0	844.2	0.64	-0.63	0.63
4,688.0	10.70	134.00	4,600.8	-578.2	623.3	850.1	1.78	-1.29	6.45
4,720.0	10.40	133.70	4,632.3	-582.2	627.5	855.9	0.95	-0.94	-0.94
4,751.0	10.50	132.60	4,662.8	-586.1	631.6	861.6	0.72	0.32	-3.55
4,783.0	11.20	131.70	4,694.2	-590.1	636.0	867.6	2.25	2.19	-2.81
4,815.0	11.20	132.70	4,725.6	-594.3	640.7	873.8	0.61	0.00	3.13
4,847.0	11.60	132.80	4,757.0	-598.6	645.3	880.1	1.25	1.25	0.31
4,879.0	11.60	131.21	4,788.3	-602.9	650.1	886.6	1.00	0.00	-4.97
4,911.0	11.80	133.00	4,819.7	-607.2	654.9	893.1	1.30	0.63	5.59
4,942.0	11.90	133.10	4,850.0	-611.6	659.5	899.4	0.33	0.32	0.32
4,974.0	12.00	134.00	4,881.3	-616.2	664.3	906.0	0.66	0.31	2.81
5,006.0	12.30	132.90	4,912.6	-620.8	669.2	912.8	1.18	0.94	-3.44
5,037.0	12.40	130.90	4,942.9	-625.2	674.2	919.4	1.42	0.32	-6.45
5,069.0	12.70	131.50	4,974.1	-629.8	679.4	926.4	1.02	0.94	1.88
5,101.0	13.00	130.50	5,005.3	-634.5	684.8	933.5	1.17	0.94	-3.13
5,132.0	13.00	129.00	5,035.5	-638.9	690.1	940.4	1.09	0.00	-4.84
5,164.0	12.70	127.90	5,066.7	-643.3	695.7	947.5	1.21	-0.94	-3.44
5,196.0	12.20	130.20	5,097.9	-647.7	701.1	954.4	2.20	-1.56	7.19
5,228.0	12.10	129.24	5,129.2	-652.0	706.2	961.2	0.70	-0.31	-3.00
5,259.0	12.10	129.70	5,159.5	-656.1	711.3	967.6	0.31	0.00	1.48
5,290.0	11.82	132.30	5,189.9	-660.3	716.1	974.1	1.96	-0.90	8.39
5,322.0	11.80	131.70	5,221.2	-664.7	721.0	980.6	0.39	-0.06	-1.88
5,353.0	11.80	132.60	5,251.5	-669.0	725.7	987.0	0.59	0.00	2.90
5,385.0	12.00	134.10	5,282.9	-673.5	730.5	993.5	1.15	0.63	4.69

NEWFIELD

PayZone Directional Services, LLC.

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well E-2-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Site:	SECTION 34 T8S, R16E	**MD Reference:**	E-2-9-16 @ 5624.0ft (Rig 2)
Well:	E-2-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,417.0	11.90	133.00	5,314.2	-678.1	735.3	1,000.2	0.78	-0.31	-3.44
5,448.0	11.80	132.80	5,344.5	-682.4	739.9	1,006.5	0.35	-0.32	-0.65
5,480.0	11.90	135.10	5,375.8	-687.0	744.7	1,013.1	1.51	0.31	7.19
5,512.0	12.30	134.40	5,407.1	-691.7	749.4	1,019.8	1.33	1.25	-2.19
5,543.0	12.70	133.99	5,437.4	-696.4	754.2	1,026.5	1.32	1.29	-1.32
5,575.0	12.79	134.77	5,468.6	-701.3	759.3	1,033.6	0.61	0.28	2.44
5,607.0	13.20	135.90	5,499.8	-706.4	764.3	1,040.8	1.51	1.28	3.53
5,639.0	13.00	136.90	5,530.9	-711.7	769.3	1,048.0	0.94	-0.63	3.13
5,670.0	12.60	135.80	5,561.2	-716.6	774.1	1,054.8	1.51	-1.29	-3.55
5,702.0	12.00	133.40	5,592.4	-721.4	778.9	1,061.6	2.46	-1.88	-7.50
5,734.0	11.90	130.40	5,623.7	-725.8	783.9	1,068.3	1.97	-0.31	-9.38
5,766.0	11.90	129.10	5,655.0	-730.1	788.9	1,074.9	0.84	0.00	-4.06
5,797.0	11.40	127.40	5,685.4	-733.9	793.9	1,081.1	1.96	-1.61	-5.48
5,829.0	10.90	127.70	5,716.8	-737.7	798.8	1,087.3	1.57	-1.56	0.94
5,861.0	10.70	127.40	5,748.2	-741.4	803.5	1,093.2	0.65	-0.63	-0.94
5,892.0	10.40	130.50	5,778.7	-744.9	807.9	1,098.9	2.07	-0.97	10.00
5,924.0	10.80	129.90	5,810.2	-748.7	812.4	1,104.8	1.30	1.25	-1.88
5,956.0	11.10	125.10	5,841.6	-752.4	817.2	1,110.8	3.00	0.94	-15.00
5,988.0	11.70	125.40	5,872.9	-756.1	822.4	1,117.1	1.88	1.88	0.94
6,019.0	11.80	124.30	5,903.3	-759.7	827.6	1,123.4	0.79	0.32	-3.55
6,051.0	11.30	125.70	5,934.7	-763.4	832.8	1,129.7	1.79	-1.56	4.38
6,083.0	11.40	127.40	5,966.0	-767.1	837.9	1,136.0	1.09	0.31	5.31
6,114.0	12.00	127.70	5,996.4	-770.9	842.9	1,142.3	1.95	1.94	0.97
6,146.0	12.10	128.70	6,027.7	-775.1	848.1	1,148.9	0.72	0.31	3.13
6,178.0	12.35	128.45	6,059.0	-779.3	853.4	1,155.7	0.80	0.78	-0.78
6,209.0	12.70	127.80	6,089.2	-783.4	858.7	1,162.4	1.22	1.13	-2.10
6,241.0	12.50	128.70	6,120.4	-787.8	864.2	1,169.4	0.88	-0.63	2.81
6,273.0	12.61	129.39	6,151.7	-792.2	869.6	1,176.3	0.58	0.34	2.16
6,304.0	12.40	128.44	6,181.9	-796.4	874.8	1,183.0	0.95	-0.68	-3.06
6,336.0	11.94	128.72	6,213.2	-800.6	880.1	1,189.7	1.45	-1.44	0.88
6,368.0	11.27	129.92	6,244.6	-804.7	885.1	1,196.2	2.23	-2.09	3.75
6,399.0	10.59	130.29	6,275.0	-808.4	889.6	1,202.0	2.21	-2.19	1.19
6,451.0	10.59	130.29	6,326.1	-814.6	896.9	1,211.6	0.00	0.00	0.00

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,612.0	1,598.3	-137.4	123.2	Gyro to 1612' MD

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD

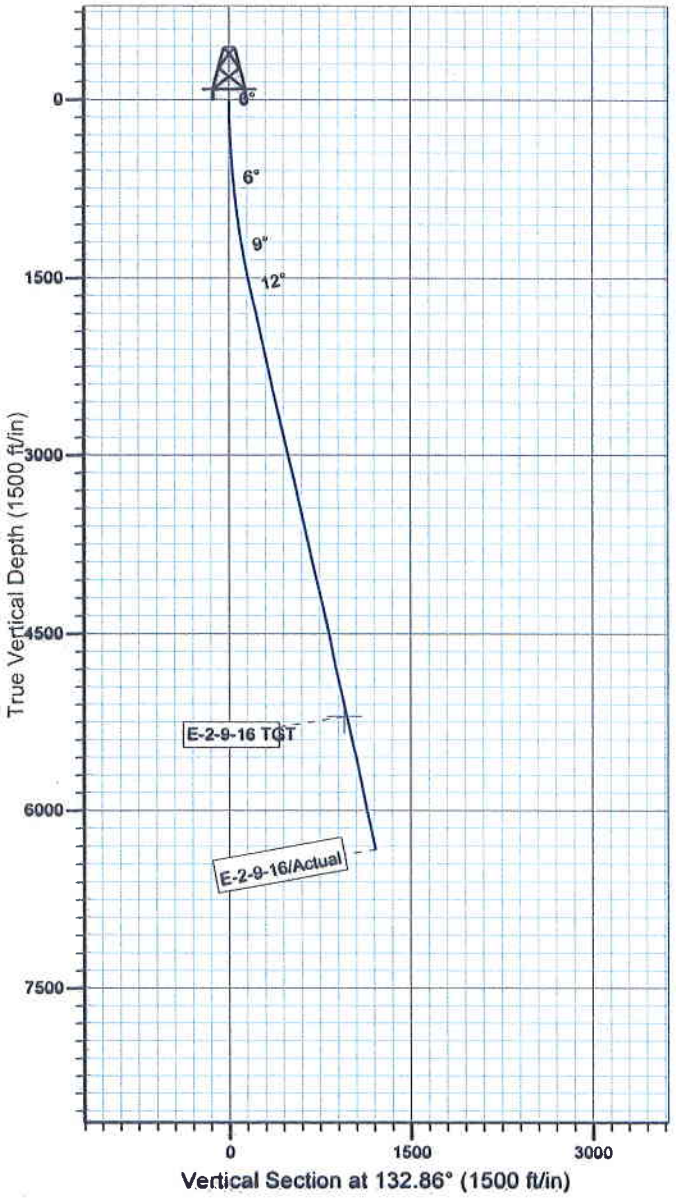
Project: USGS Myton SW (UT)
Site: SECTION 34 T8S, R16E
Well: E-2-9-16
Wellbore: Wellbore #1
SURVEY: Actual

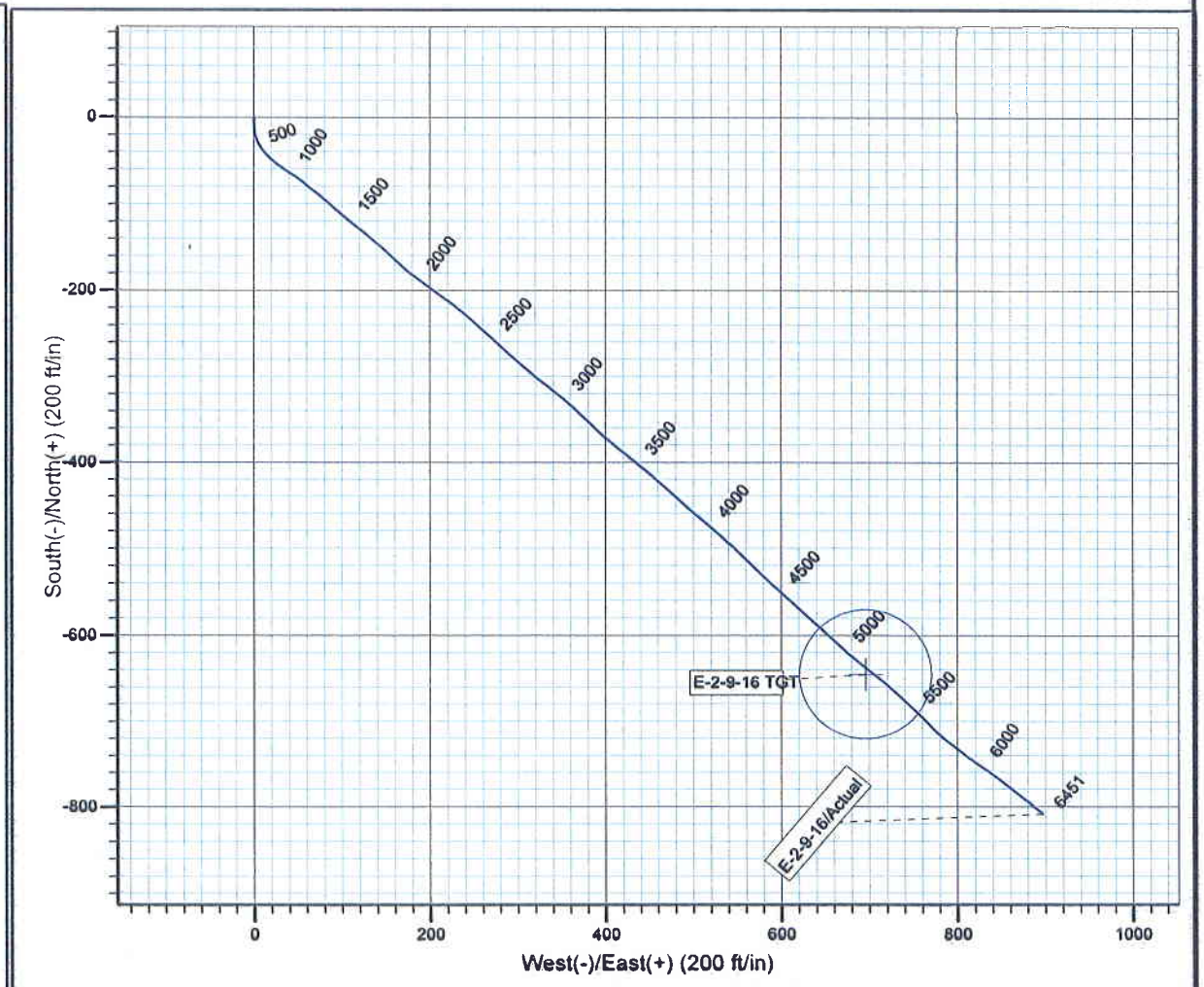
FINAL SURVEY REPORT

T M

Azimuths to True North
Magnetic North: 11.51°

Magnetic Field
Strength: 52458.3snT
Dip Angle: 65.85°
Date: 2009/12/10
Model: IGRF200510





PAYZONE DIRECTIONAL

Design: Actual (E-2-9-16/Wellbore #1)

Created By: Jim Hudson Date: 19:11, December 06 2010

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

GRTR MB E-2-9-16

9/1/2010 To 1/30/2011

GRTR MB E-2-9-16 **Waiting on Cement**
Date: 11/16/2010
Ross #29 at 310. Days Since Spud - 8 5/8" casing w/ 160 sks Class "G" + 2% CaCl2 + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield. - casing (guide shoe, shoe jt, baffle plate, 6 jts) set @ 308.45' KB. On 11/17/10 BJ Services cemented - On 11/12/10 Ross Rig #29 spud GMB E-2-9-16, drilled 310' of 12 1/4" hole, and ran 7 jts 8 5/8" - Returned 6.5 bbls to pit.
Daily Cost: $0
Cumulative Cost: $28,932

GRTR MB E-2-9-16 **Rigging down**
Date: 12/1/2010
NDSI #2 at 310. 0 Days Since Spud - RD to move to BRTR MB E-2-9-16
Daily Cost: $0
Cumulative Cost: $37,732

GRTR MB E-2-9-16 **Drill 7 7/8" hole with fresh water**
Date: 12/2/2010
NDSI #2 at 998. 1 Days Since Spud - Drill 7 7/8" hole F/ 268' to 998' W 15,000WOB, 151TRPM, 400GPM, 98fph ROP - Gap Sub, Antenna Sub, Pony Sub, 26 HWDP - P/U BHA as Follows, Hughes Q506F 7 7/8" PDC Bit, 6 1/2" Hunting 4/56.0st. 1.5° Mud Motor, Monel, - Test 8 5/8" Casing to 1,500PSI F/ 30min all tested good - Rig B&C QuickTest, Test Pipe and Blind Rams, Choke, Kelly, Safety Valve to 2,000PSI F/ 10min - MIRU on the Greater Boundary E-2-9-16 Set all Surface Equipment - Weld on Table Lock, Fix Kelly Spinners
Daily Cost: $0
Cumulative Cost: $63,817

GRTR MB E-2-9-16 **Drill 7 7/8" hole with fresh water**
Date: 12/3/2010
NDSI #2 at 3662. 2 Days Since Spud - Rig Service Function Test BOP, and Crown-O-Matic Grease Crown,Blocks, Swivel and Spinners - Drill 7 7/8" hole F/ 1792' to 3662' W/ 15,000WOB, 151TRPM, 400GPM, 107fph ROP - Drill 7 7/8" hole F/ 998' to 1792' W/ 15,000WOB, 151TRPM, 400GPM, 107fph ROP
Daily Cost: $0
Cumulative Cost: $89,440

GRTR MB E-2-9-16 **Drill 7 7/8" hole with fresh water**
Date: 12/4/2010
NDSI #2 at 5596. 3 Days Since Spud - Drill 7 7/8" hole F/ 4233' to 5596' W/ 15,000WOB, 151TRPM, 400GPM,96fph ROP - Drill 7 7/8" hole F/ 3662' to 4233' W/ 15,000WOB, 151TRPM, 400GPM,96fph ROP - Rig Service Function Test BOP, and Crown-O-Matic Grease Crown,Blocks, Swivel and Spinners
Daily Cost: $0
Cumulative Cost: $109,249

GRTR MB E-2-9-16 **Lay Down Drill Pipe/BHA**

Date: 12/5/2010
NDSI #2 at 6451. 4 Days Since Spud - Drill 7 7/8" hole F/ 5596' to 6109' W/ 15,000WOB, 151TRPM, 400GPM,96fph ROP - Drill 7 7/8" hole F/ 6109' to 6451' W/ 15,000WOB, 151TRPM, 400GPM,96fph ROP - Rig Service Function Test BOP, and Crown-O-Matic Grease Crown,Blocks, Swivel and Spinners - Laydown Drillpipe - Laydown Drillpipe to 4,000' Spot 390bbls Brine - Pump Sweep and Circulate F/ Logs
Daily Cost: $0
Cumulative Cost: $192,994

GRTR MB E-2-9-16 **Wait on Completion**
Date: 12/6/2010
NDSI #2 at 6451. 5 Days Since Spud - Pump 275sks PL11+3% KCL+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ 11ppg W/3.53yield - Pump 400sks 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Mixed @ 14.4ppg - W/1.24yield Returned 33bbls cement to pit - Nipple down set slips W/ 98,000 Tension - Rig up BJ Hardlines and Circulate W/ Rig Pump - Rig up Marcus Liddell Casing Crew and Run 152jts 5 1/2" J-55 LTC 15.5# Casing set @ 6445.46 KB - Rig up B&C Quick test and pressure test 5 1/2" Casing Rams to 2,000PSI F/10min tested good - Rig up Loggers and Log Well (Loggers TD 6445) - Laydown Drillpipe and BHA - Clean Mud Tanks - Release Rig @ 12:00AM 12/6/10 Ryan Crum **Finalized**
Daily Cost: $0
Cumulative Cost: $308,859

Pertinent Files: Go to File List